

**To:** Williamson, Carter[Williamson.Carter@epa.gov]; Stilman, Terry[Stilman.Terry@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Tue 9/13/2016 3:22:49 PM  
**Subject:** Fw: Pelham Pipeline Spill

please review this. I don't want to sound whiney or uncooperative, but I really don't want to issue a 311.  
this RP is doing everything we ask them to.

Jim/Tony:

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f

Information Redacted pursuant to  
5 U.S.C. Section 552 (b)(5), Exemption 5,  
Privileged Inter/Intra Agency Document  
Specific Privilege: Deliberative Process

ly

s.

Chuck Berry

On-Scene Coordinator

US Environmental Protection Agency

61 Forsyth Street, 11th Floor

Atlanta, GA 30303

404.562.8278 (Office)

404.859.0970 (Cell)

[berry.chuck@epa.gov](mailto:berry.chuck@epa.gov)

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**From:** Truman, Bill  
**Sent:** Tuesday, September 13, 2016 07:56  
**To:** Englert, Brian; Berry, Chuck  
**Cc:** Moore, Tony; Mann, Teresa; Joyner, William; Jack, Marie Jacq  
**Subject:** Pelham Pipeline Spill

Brian and Chuck,

As you both are probably aware, this incident, along with several other Colonial spills will result in some level of OPA enforcement action, possibly a DOJ referral. As is your normal procedure, please make sure everything is well documented in photos and all issues included in the "20 Questions". Do you all anticipate issuing a 311 Order? I know you all don't need the bother, but as far as OPA enforcement, we just want to make sure we have the basic information while it is still fresh. The OPA contact for this case will be Bill Joyner.

Thanks for all your help.

Bill Truman, Chief  
UST, PCB & OPA Enforcement & Compliance Section  
61 Forsyth St.  
Atlanta, GA 30303-8960  
(404)562-9457  
Fax: (404)562-8439

**To:** Harper, Greg[Harper.Greg@epa.gov]  
**Cc:** Moore, Tony[moore.tony@epa.gov]  
**From:** Webster, James  
**Sent:** Tue 9/13/2016 3:01:04 PM  
**Subject:** Re: ERNS REPORT FOR 0800 09/12/2016 TO 0800 09/13/2016

Please. Copy Michael Sams (USCG D8) on ERNS and sitreps involving the oil spill chunk is working. Reason being, GST is in D8

Sent from my iPhone

On Sep 13, 2016, at 8:53 AM, Harper, Greg <Harper.Greg@epa.gov> wrote:

**ERNS REPORT FOR 0800 09/012/2016 TO 0800 09/13/2016**

**NRC 1158584, Pelham Pipeline Spill, Pelham, Shelby County, Alabama**

Situation Reports (SITREPS) #1, #2 and #3 were previously delivered to the ERNS mailing list. SITREPS will continue to be delivered to the ERNS mailing list by 1800 EDT daily. See <https://www.epaossc.org/pelhamgasolinespill> for the current SITREPS and for additional information.

State	Oil	Haz	Rad	Other
AL	2	0	0	1
FL	3	1	0	0
GA	0	1	0	0
KY	0	0	0	0
MS	0	1	0	0
NC	2	0	0	0
SC	1	0	0	0
TN	1	0	0	0
Total	9	3	0	1 = 13

**Response Personnel Status**

**Duty Officer:** OSC Greg -  
Harper  
**R1:** OSC Chuck Out  
Berry  
**R2:** OSC Karen In  
Buerki

<b>Jackson, TN:</b>	OSC Steve Spurlin	Available
<b>Louisville, KY:</b>	OSC Art Smith	Unavailable
<b>Mobile, AL:</b>	OSC Leo Francendese	Unavailable
<b>Raleigh, NC:</b>	OSC Ken Rhame	Available
<b>Tallahassee, FL:</b>	OSC Chris Russell	Available

**National Response Center: 1-800-424-8802**  
**Phone Duty E-Mail: R4DUTYOSC@EPA.GOV**  
**Phone Duty MOBILE #: 404-242-3393**

**To:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Moore, Tony  
**Sent:** Thur 9/15/2016 12:45:21 AM  
**Subject:** Fwd: SITREP #5 - Pelham Pipeline Spill  
Pelham Pipeline Spill SITREP 5 09142016.docx  
ATT00001.htm

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Sent from my iPhone

Begin forwarded message:

**From:** "Harper, Greg" <Harper.Greg@epa.gov>  
**Date:** September 14, 2016 at 8:25:09 PM EDT  
**To:** "Moore, Tony" <moore.tony@epa.gov>  
**Cc:** "Berry, Chuck" <Berry.Chuck@epa.gov>, "Tripp, Christopher" <tripp.christopher@epa.gov>  
**Subject:** **SITREP #5 - Pelham Pipeline Spill**

Tony,

Please find the attached SITREP #5 from the Pelham Pipeline Spill.

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

harper.greg@epa.gov



**To:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Moore, Tony  
**Sent:** Thur 9/15/2016 1:02:30 AM  
**Subject:** Re: SITREP #5 - Pelham Pipeline Spill

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,,,,,

Sent from my iPhone

On Sep 14, 2016, at 8:51 PM, Harper, Greg <Harper.Greg@epa.gov> wrote:

## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #5**

1800 CDT, September 14, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill,

although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

OSC Garrard was mobilized to the site to overlap with OSC Williamson today, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader. OSC Williamson demobilized during this operational period.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increases the rate of discharge at the break. LEL levels at the break are too high to recover product before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring with the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 41% range.

Colonial has managed to remove approximately 178,217 gallons of liquid from Pond 2. Of that volume, 48,125 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain.

Colonial has performed a mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the

pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operation's progress. Two GST members continue to observe night operations.

James Pickney, Region 4 Office of External Affairs, arrived at Incident Command Center and integrated into JIC. The JIC set up two interviews for the media with all members of UC, including OSC Berry. The Birmingham, AL news outlets in attendance were WBRC and [AL.com](http://AL.com). Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with nine households as well as hand out fact sheets.

The fire chief deemed the transfer of product from the pipeline to frac tanks was too high of a risk, therefore operations have changed to direct tanker to tanker trucks transfers. Scrubbers were used on the vacuum trucks while product was pumped from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-loading.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. 9 sampling locations have been established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the other 7 were below detection limits.

### **PLANNED RESPONSE ACTIVITIES**

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

During today's UC meeting, the UC learned that Colonial contractors had begun collecting water sampling on Saturday. Thus was only due to the presentation of sampling results were presented during the UC briefing. EPA OSC has requested two START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts.

∇ Continue to participate in UC

∇ Monitor removal activities

∇ Monitor safety air monitoring

∇ Participate in the Joint Information Center

∇ Prepare for and coordinate a transition to a removal phase

∇ Preform water sampling

**To:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Moore, Tony  
**Sent:** Thur 9/15/2016 1:10:45 PM  
**Subject:** Re: SITREP #5 - Pelham Pipeline Spill

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,,,,,,,,,,,,,  
Yes

Sent from my iPhone

On Sep 15, 2016, at 9:06 AM, Harper, Greg <Harper.Greg@epa.gov> wrote:

Tony,

Do we want to include DHS on daily ERNS? I am now including Mr. Williams on the Pelham SITREPs. But if there was another large spill we would not know to include him.

Thank you,

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response Removal and Preparedness Branch, 11th Floor

61 Forsyth Street, S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**From:** Weeks, Victor  
**Sent:** Thursday, September 15, 2016 8:59 AM  
**To:** Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** FW: SITREP #5 - Pelham Pipeline Spill

Greg:

Do you know if we can add DHS employees to the ERNS distribution list?

Victor L. Weeks

U.S. EPA Region 4

Air, Pesticides & Toxics Management Division

Chemical Emergency Preparedness & Prevention Coordinator

Atlanta Federal Center

61 Forsyth ST

Atlanta, Georgia 30024

Direct: 404-562-9189

Cell: 770-363-7715

FAX: 404-562-9163

**From:** Williams, James [<mailto:James.Williams@HQ.DHS.GOV>]  
**Sent:** Thursday, September 15, 2016 8:47 AM  
**To:** Weeks, Victor <[weeks.victor@epa.gov](mailto:weeks.victor@epa.gov)>  
**Cc:** Deas, William <[william.deas@HQ.DHS.GOV](mailto:william.deas@HQ.DHS.GOV)>; Albini, David <[David.Albini@HQ.DHS.GOV](mailto:David.Albini@HQ.DHS.GOV)>; Whittington, Angela <[Angela.Whittington@HQ.DHS.GOV](mailto:Angela.Whittington@HQ.DHS.GOV)>; Gibbs, Kelly <[Kelly.Gibbs@HQ.DHS.GOV](mailto:Kelly.Gibbs@HQ.DHS.GOV)>  
**Subject:** RE: SITREP #5 - Pelham Pipeline Spill

Victor,

Would it be possible for us to get on the distro of the region 4 SITREPS for events such as these?

Jim

James E. Williams

Supervisory Chemical Security Inspector

Department of Homeland Security

Office of Infrastructure Protection

Infrastructure Security Compliance Division

Field Operations Branch

Cosby, TN

Mobile 202.604.8712

CFATS Help Desk: 1-866-323-2957

Questions Regarding: [CSAT@DHS.GOV](mailto:CSAT@DHS.GOV)

[WWW.DHS.GOV/CHEMICALSECURITY](http://WWW.DHS.GOV/CHEMICALSECURITY)

Tip Line: 877-FYI 4 DHS (877 394-4347)

November is Critical Infrastructure Security and Resilience Month

For more information about critical infrastructure, visit  
<http://www.dhs.gov/critical-infrastructure>

**"With honor and integrity, we will safeguard the American people, our homeland, and our values"**

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**From:** Weeks, Victor [<mailto:weeks.victor@epa.gov>]  
**Sent:** Thursday, September 15, 2016 8:28 AM  
**To:** Garrard, Jordan  
**Cc:** Williams, James  
**Subject:** FW: SITREP #5 - Pelham Pipeline Spill

Jordan:

James Williams with DHS was wondering if Colonial Pipeline has projected a date for when the pipeline will be returned to service?

Also, has Colonial Pipeline quantified any regional gasoline supply issues associated with this transmission pipeline incident?

Victor L. Weeks

U.S. EPA Region 4

Air, Pesticides & Toxics Management Division

Chemical Emergency Preparedness & Prevention Coordinator

Atlanta Federal Center

61 Forsyth ST

Atlanta, Georgia 30024

Direct: 404-562-9189

Cell: 770-363-7715

FAX: 404-562-9163

**From:** Harper, Greg

**Sent:** Wednesday, September 14, 2016 8:51 PM

**Cc:** Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)>

**Subject:** SITREP #5 - Pelham Pipeline Spill

## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #5**

1800 CDT, September 14, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

**Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.**

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill,

although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

OSC Garrard was mobilized to the site to overlap with OSC Williamson today, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader. OSC Williamson demobilized during this operational period.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increase the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 41% range.

Colonial has managed to remove approximately 178,217 gallons of liquid from Pond 2. Of that volume 48,125 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the

pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney arrived at Incident Command Center and integrated into JIC. The JIC set up two interviews with all members of UC, including OSC Berry. The Birmingham, AL news outlets were WBRC and [AL.com](http://AL.com). Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.

The fire chief deemed the transfer of product from the pipeline to frac tanks was to high risk, therefore operations changed to direct tanker to tanker trucks. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-load.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. 9 sampling locations have been established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the other 7 were below detection limits.

### **PLANNED RESPONSE ACTIVITIES**

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

Because UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. EPA OSC has requested two START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts.

∇ Continue to participate in UC

∇ Monitor removal activities

∇ Monitor safety air monitoring

∇ Participate in the Joint Information Center

∇ Prepare for and coordinate a transition to a removal phase

∇ Perform water sampling

To:  
From: Moore, Tony  
Sent: Fri 9/16/2016 12:26:41 AM  
Subject: Fwd: SITREP #6

m]

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Sent from my iPhone

Begin forwarded message:

**From:** "Harper, Greg" <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)>  
**Date:** September 15, 2016 at 8:22:29 PM EDT  
**To:** "Moore, Tony" <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)>  
**Subject:** SITREP #6



## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #6**

1800 CDT, September 15, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by a state mining inspector, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has since been updated in NRC Reports to 252,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) and EPA have integrated into Unified Command and are coordinating with State and County Agencies. An Incident Command Post is being operated out of Pelham, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of explosive vapors and volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Consult with the Department of Interior and the State of Alabama identified threatened and endangered (T&E) species in the area of the spill. However, no T&E species have been reported impacted from the spill, although several common species have been impacted.

The appropriate members were engaged during the initial response notification process. The following members were part of the initial notification: ADEM; Department of the Interior (DOI); and United States Environmental Protection Agency (USEPA). A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard, OSC Tripp and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. OSC Stilman has been deployed to assist with Incident Command. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

Current number START Personnel: 3

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

Both stopples are in place. Colonial has ceased recovering product from the line as the nitrogen displacement has reached its maximum efficacy. Colonial has developed a displacement plan to use water to displace the remained of the fuel. Activities for this operations are estimated to be ready Saturday. Fuel continues to leak from the break, but at a much reduced rate.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. CTEH continues monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's VOC exceedance levels range from 30 - 2,699 parts per million (ppm). The exceedances from benzene range 0.6 - 18 ppm. LEL exceedance levels range from 10% - 196%.

Colonial has managed to remove approximately 233,614 gallons of liquid from Pond 2. Of that volume 58,461 gallons of fuel has been recovered and 175,531 gallons of mixed oil/water remain in frac tanks.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 252,000 gallons of fuel was discharged. They are estimating 180,634 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. OSC Garrard, OPS, was on site in the morning exploring areas along Peel Creek with GST and Colonial personnel for potential placement of an additional underflow dam. Additional locations were identified, and Colonial has agreed to reserve the material to construct these. Additionally Colonial has estimated a 10-hour construction time for this final structure. To facilitate access, Colonial is building an access road along the entire length of Peel Creek.

No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard, OSC Tripp, and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney remains integrated with the JIC. One CIC is mobilizing to the site tomorrow. OSC Berry provided one telephone interview to the local NBC affiliate this afternoon.

The fire chief deemed the transfer of product from the pipeline to frac tanks was too high-risk, therefore operations changed to direct tanker to tanker trucks. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round

trip to Colonial's Pelham Junction facility to off-load.

The Federal Aviation Administration continues to maintain an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

OSC Tripp was on-site performing an observation of all operation areas with GST most of the day.

The county sheriff's office was patrolling the site air space by helicopter to enforce the air restriction put in place by the FAA. During the night there was a drone being flown over the site by an unknown drone operator.

Two START members arrived on-scene to assist with surface water and sediment sampling operations. OSC Stilman mobilized in this morning as the Deputy IC for EPA and provided comments to the Surface water and sediment sampling plan. An additional START member is mobilizing in tonight to provide ICS support.

Work-site operations were ceased overnight due to increased VOCs, LEL, and benzene levels from 0230-0500. A temporary site-wide evacuation was ordered at 0300 due to elevated levels at the main staging area. Operations at the Stopples and the pond did not commence until 0830. Vapor scrubber units were switched out for a liquid vapor scrubber unit. Due to high LEL the Unified Command has developed a Vapor Suppression Plan and a Site Evacuation Plan. Vapor suppression foam, F-500, will be used to allow for the soil excavation around the pipeline to continue.

Recovery operations are occurring at two points 2a and 2b. Vacuum trucks from 2b are transferring recovered product to 4 frac tanks at staging 2b. There are 2 frac tanks at staging 2a where they are recovering product from recovery point 2a.

There are currently 14 frac tanks at the main staging area. Visual observations indicate gasoline thickness on pond 2 to be 1-1.5 inches at recovery point 2b, less than 0.10 inch at recovery point 2a.

Colonial is implementing a backup plan for restoration of service by constructing a bypass around the leak. The use of this will be determined by the difficulties found during the success and timing of the water displacement plan and excavation of the break. Colonial has given a tentative restoration time of late next week.

### **PLANNED RESPONSE ACTIVITIES**

Due to the ongoing response efforts and unknown timelines, the EPA OSC made a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

The EPA OSC has requested an additional START contractors to assist with Incident Command Post Operations. START and OSC Stilman will continue to monitor Colonial

Pipeline's sampling and monitoring efforts.

∇ Continue to participate in UC

∇ Monitor removal activities

∇ Monitor safety air monitoring

∇ Participate in the Joint Information Center

∇ Prepare for and coordinate a transition to a removal phase

∇ Perform water sampling

∇ Finalize Surface Water and Sediment Sampling Plan

∇ Finalize Vapor Suppression Plan

∇ Finalize Site Evacuation Plan

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)



**To:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Moore, Tony  
**Sent:** Fri 9/16/2016 12:39:41 AM  
**Subject:** Re: SITREP #6

....  
,,.,,  
Good to go

Sent from my iPhone

On Sep 15, 2016, at 8:22 PM, Harper, Greg <Harper.Greg@epa.gov> wrote:

## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #6**

1800 CDT, September 15, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by a state mining inspector, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has since been updated in NRC Reports to 252,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) and EPA have integrated into Unified Command and are coordinating with State and County Agencies. An Incident Command Post is being operated out of Pelham, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of explosive vapors and volatile organic compounds (VOC) emitted for the large areas of

pooled gasoline.

Consult with the Department of Interior and the State of Alabama identified threatened and endangered (T&E) species in the area of the spill. However, no T&E species have been reported impacted from the spill, although several common species have been impacted.

The appropriate members were engaged during the initial response notification process. The following members were part of the initial notification: ADEM; Department of the Interior (DOI); and United States Environmental Protection Agency (USEPA). A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard, OSC Tripp and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. OSC Stilman has been deployed to assist with Incident Command. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

Current number START Personnel: 3

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

Both stopples are in place. Colonial has ceased recovering product from the line as the nitrogen displacement has reached its maximum efficacy. Colonial has developed a displacement plan to use water to displace the remainder of the fuel. Activities for this operations are estimated to be ready by Saturday. Fuel continues to leak from the break, but at a much reduced rate.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remain on site providing air monitoring services. CTEH continues monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excessive benzene and LEL readings. Today's VOC exceedance levels range from 30 - 2,699 parts per million (ppm). The exceedances from benzene range 0.6 - 18 ppm. LEL exceedance levels range from 10% - 196%.

Colonial has managed to remove approximately 233,614 gallons of liquid from Pond 2. Of that volume 58,461 gallons of fuel has been recovered and 175,531 gallons of mixed oil/water remain in frac tanks.

Colonial performed an initial mass balance calculation and determined an estimated volume of 252,000 gallons of fuel was discharged. They are estimating 180,634 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. OSC Garrard, OPS, was on site in the morning exploring areas along Peel Creek with GST and Colonial personnel for potential placement of an additional underflow dam. Additional locations were identified, and Colonial has agreed to reserve material to construct these features. Additionally, Colonial has estimated a 10-hour construction time for this final structure. To facilitate access, Colonial is building an access road along the entire length of Peel Creek.

No adverse weather impacts are expected for the next operational period.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard, OSC Tripp, and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney remains integrated with the JIC. One CIC is mobilizing to the site tomorrow. OSC Berry provided one telephone interview to the local NBC affiliate this afternoon.

The fire chief deemed the transfer of product from the pipeline to frac tanks was too high-risk, therefore operations were changed to direct tanker transfer. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-load.

The Federal Aviation Administration continues to maintain an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

OSC Tripp was on-site performing an observation of all operation areas with GST most of the day. The county sheriff's office was patrolling the site air space by helicopter to enforce the air restriction put in place by the FAA. During the night there was a drone being flown over the site by an unknown operator.

Two START members arrived on-scene to assist with surface water and sediment sampling operations. OSC Stilman mobilized in this morning as the Deputy IC for EPA and provided comments to the Surface water and sediment sampling plan. An additional START member is mobilizing in tonight to provide ICS support.

Work-site operations were ceased overnight due to increased VOCs, LEL, and benzene levels from 0230-0500. A temporary site-wide evacuation was ordered at 0300 due to elevated levels at the main staging area. Operations at the Stopples and the pond did not commence until 0830. Vapor scrubber units were switched out for a liquid vapor scrubber unit. Due to high LEL, the Unified Command has developed a Vapor Suppression Plan and a Site Evacuation Plan. Vapor suppression foam, F-500, will be used to allow for the soil excavation around the pipeline to continue.

Recovery operations are occurring at two points 2a and 2b. Vacuum trucks from 2b are transferring recovered product to 4 frac tanks at staging 2b. There are 2 frac tanks at staging 2a where they are recovering product from recovery point 2a.

There are currently 14 frac tanks at the main staging area. Visual observations indicate gasoline thickness on pond 2 to be 1-1.5 inches at recovery point 2b, less than 0.10 inch at recovery point 2a.

Colonial is implementing a backup plan for restoration of service by constructing a bypass around the leak. The use of this will be determined by the difficulties found during the success and timing of the water displacement plan and excavation of the break. Colonial has given a tentative restoration time of late next week.

### **PLANNED RESPONSE ACTIVITIES**

Due to the ongoing response efforts and unknown timelines, the EPA OSC made a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

The EPA OSC has requested an additional START contractors to assist with Incident Command Post Operations. START and OSC Stilman will continue to monitor Colonial Pipeline's sampling and monitoring efforts.

- ∇ Continue to participate in UC
- ∇ Monitor removal activities
- ∇ Monitor safety air monitoring
- ∇ Participate in the Joint Information Center
- ∇ Prepare for and coordinate a transition to a removal phase
- ∇ Perform water sampling
- ∇ Finalize Surface Water and Sediment Sampling Plan

✓ Finalize Vapor Suppression Plan

✓ Finalize Site Evacuation Plan

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)



**To:** Hill, Franklin[Hill.Franklin@epa.gov]  
**Cc:** Webster, James[Webster.James@epa.gov]  
**From:** Moore, Tony  
**Sent:** Fri 9/16/2016 12:51:33 AM  
**Subject:** Re: EOC Spot Report: Region 4, Colonial Pipeline Spill, Pelham, AL (NRC # 1158584) – Update #5

.....  
>>>>>>>

This is my first hearing of a TN waiver

Sent from my iPhone

On Sep 15, 2016, at 8:49 PM, Hill, Franklin <Hill.Franklin@epa.gov> wrote:

Sent from my iPhone

Begin forwarded message:

**From:** "Meiburg, Stan" <Meiburg.Stan@epa.gov>  
**Date:** September 15, 2016 at 6:46:22 PM EDT  
**To:** "Heard, Anne" <Heard.Anne@epa.gov>, "Lapierre, Kenneth" <Lapierre.Kenneth@epa.gov>, "Hill, Franklin" <Hill.Franklin@epa.gov>, "Kemker, Carol" <Kemker.Carol@epa.gov>, "Wilkes, Mary" <Wilkes.Mary@epa.gov>  
**Subject:** Fwd: EOC Spot Report: Region 4, Colonial Pipeline Spill, Pelham, AL (NRC # 1158584) – Update #5

Note: this SITREP did not include, but should have, the associated request by TN for an RVP waiver.

Stan

Sent from my iPhone

Begin forwarded message:

**From:** "Eoc, Epahq" <Eoc.Epahq@epa.gov>  
**Date:** September 15, 2016 at 11:59:56 AM CDT  
**To:** "Eoc, Epahq" <Eoc.Epahq@epa.gov>  
**Subject:** EOC Spot Report: Region 4, Colonial Pipeline Spill, Pelham, AL (NRC # 1158584) – Update #5

**This report is being sent as a bcc to prevent accidental Reply to All messages.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

## **EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584) – Update #5**

**US Environmental Protection Agency**

**Report as of 1300 ET on 09/15/2016**

**Overview:** On September 9<sup>th</sup> at 1449 ET, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek, a tributary of the Cahaba River. An estimated 6,000 barrels of gasoline (253,000 gallons) have been discharged as a result of the leak. The spill location is in a remote location so no evacuations are necessary. The nearest residential neighborhood is located two miles away.

Colonial Pipeline crews continue to prepare the affected pipeline segment for excavation and repair while cleaning up the spill. Colonial Pipeline continues to collaborate with local, state and federal agencies, including the Environmental Protection Agency, Shelby County Emergency Management Agency, Helena Fire Department, Pelham Fire Department, and others in connection with the response. As a precautionary measure, airspace above the release location has been restricted to further protect responders, personnel and the public. According to the FAA, the restriction will remain in effect until 9/18/16.

Colonial has removed approximately 178,217 gallons of liquid from Pond 2. Of that volume, 48,125 gallons of oil have been separated and 130,092 gallons of mixed oil/water remain. Colonial established a pumping area on the north end of the pond where vapor levels were lower. Vacuum trucks continue to pump from this location. Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The high level of explosive vapors is the greatest limiting factor to recovery operations. Colonial contractor CTEH is on site providing air monitoring services. All personnel entering the hot zone are required to have flame resistant clothing and an air monitoring escort. Action levels for benzene, VOCs and explosive vapors have been established.

The diversions designed for Pond 3 are in place, which include a substantial underflow dam at the pond's outfall. No oil sheening is visible along the shoreline at Pond 3. Colonial continues to monitor the pond and will notify Unified Command if any petroleum is observed.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The Shelby County Emergency Management Association (EMA) responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State- and County-level agencies. An Incident Command post was established in Hoover, Alabama. United States Coast Guard (USCG) Gulf Strike Team (GST) members have been assisting with health and safety oversight and response operations.

**EPA Actions:** Four EPA Region 4 personnel and 4 USCG Strike Team Members are currently deployed to assist with the response and are integrated into Unified Command. EPA and USCG GST members are incorporated into air monitoring efforts. A Community Involvement Coordinator (CIC) is assisting at the Joint Information Center (JIC). The JIC set up two interviews with all members of UC. The Birmingham, AL news outlets were WBRC and [AL.com](http://www.al.com). At this time, a Regional Response Team 4 (RRT4) activation is not planned. A Natural Resources Trustee consultation was held with a Region 4 Department of Interior representative. Threatened and endangered species in the area of the spill have been identified but are not impacted. Due to the ongoing response efforts, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

**Media Interest:** Low (local)

[http://www.al.com/news/index.ssf/2016/09/pipeline\\_leak\\_spilled\\_an\\_estim.html](http://www.al.com/news/index.ssf/2016/09/pipeline_leak_spilled_an_estim.html)

**The HQ EOC will continue to monitor and provide updates as needed.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

Eugene Lee, Senior Watch Officer

U.S. Environmental Protection Agency

Headquarters Emergency Operations Center

1200 Pennsylvania Ave

Washington, DC 20004

202-564-3850

<mailto:eoc.epahq@epa.gov>

**To:** Hill, Franklin[Hill.Franklin@epa.gov]  
**From:** Moore, Tony  
**Sent:** Fri 9/16/2016 12:58:24 AM  
**Subject:** Re: EOC Spot Report: Region 4, Colonial Pipeline Spill, Pelham, AL (NRC # 1158584) – Update #5

.....  
>>>>>>>  
Will do

Sent from my iPhone

On Sep 15, 2016, at 8:57 PM, Hill, Franklin <Hill.Franklin@epa.gov> wrote:

Coordinate with APTMD

Sent from my iPhone

On Sep 15, 2016, at 8:51 PM, Moore, Tony <moore.tony@epa.gov> wrote:

This is my first hearing of a TN waiver

Sent from my iPhone

On Sep 15, 2016, at 8:49 PM, Hill, Franklin <Hill.Franklin@epa.gov> wrote:

Sent from my iPhone

Begin forwarded message:

**From:** "Meiburg, Stan" <Meiburg.Stan@epa.gov>  
**Date:** September 15, 2016 at 6:46:22 PM EDT  
**To:** "Heard, Anne" <Heard.Anne@epa.gov>, "Lapierre, Kenneth" <Lapierre.Kenneth@epa.gov>, "Hill, Franklin" <Hill.Franklin@epa.gov>, "Kemker, Carol" <Kemker.Carol@epa.gov>, "Wilkes, Mary" <Wilkes.Mary@epa.gov>  
**Subject:** Fwd: EOC Spot Report: Region 4, Colonial Pipeline Spill, Pelham, AL (NRC # 1158584) – Update #5

Note: this SITREP did not include, but should have, the associated request by TN for an RVP waiver.

Stan

Sent from my iPhone

Begin forwarded message:

**From:** "Eoc, Epahq" <[Eoc.Epahq@epa.gov](mailto:Eoc.Epahq@epa.gov)>  
**Date:** September 15, 2016 at 11:59:56 AM CDT  
**To:** "Eoc, Epahq" <[Eoc.Epahq@epa.gov](mailto:Eoc.Epahq@epa.gov)>  
**Subject:** EOC Spot Report: Region 4, Colonial Pipeline Spill, Pelham, AL (NRC # 1158584) – Update #5

**This report is being sent as a bcc to prevent accidental Reply to All messages.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

**EOC Spot Report: Region 4, Colonial Pipeline  
Spill into Pond Near Peel Creek, Pelham, AL  
(NRC # 1158584) – Update #5**

**US Environmental Protection Agency**

**Report as of 1300 ET on 09/15/2016**

**Overview:** On September 9<sup>th</sup> at 1449 ET, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek, a tributary of the Cahaba River. An estimated 6,000 barrels of gasoline (253,000 gallons) have been discharged as a result of the leak. The spill location is in a remote location so no evacuations are necessary. The nearest residential neighborhood is located two miles away.

Colonial Pipeline crews continue to prepare the affected pipeline segment for excavation and repair while cleaning up the spill. Colonial Pipeline continues to collaborate with local, state and federal agencies, including the Environmental Protection Agency, Shelby County Emergency Management Agency, Helena Fire Department, Pelham Fire Department, and others in connection with the response. As a precautionary measure, airspace above the release location has been restricted to further protect responders, personnel and the public.

According to the FAA, the restriction will remain in effect until 9/18/16.

Colonial has removed approximately 178,217 gallons of liquid from Pond 2. Of that volume, 48,125 gallons of oil have been separated and 130,092 gallons of mixed oil/water remain. Colonial established a pumping area on the north end of the pond where vapor levels were lower. Vacuum trucks continue to pump from this location. Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The high level of explosive vapors is the greatest limiting factor to recovery operations. Colonial contractor CTEH is on site providing air monitoring services. All personnel entering the hot zone are required to have flame resistant clothing and an air monitoring escort. Action levels for benzene, VOCs and explosive vapors have been established.

The diversions designed for Pond 3 are in place, which include a substantial underflow dam at the pond's outfall. No oil sheening is visible along the shoreline at Pond 3. Colonial continues to monitor the pond and will notify Unified Command if any petroleum is observed.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The Shelby County Emergency Management Association (EMA) responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State- and County-level agencies. An Incident Command post was established in Hoover, Alabama. United States Coast Guard (USCG) Gulf Strike Team (GST) members have been assisting with health and safety oversight and response operations.

**EPA Actions:** Four EPA Region 4 personnel and 4 USCG Strike Team Members are currently deployed to assist with the response and are integrated into Unified Command. EPA and USCG GST members are incorporated into air monitoring efforts. A Community Involvement Coordinator (CIC) is assisting at the Joint Information Center (JIC). The JIC set up two interviews with all members of UC. The Birmingham, AL news outlets were WBRC and [AL.com](http://al.com). At this time, a Regional Response Team 4 (RRT4) activation is not planned. A Natural

Resources Trustee consultation was held with a Region 4 Department of Interior representative. Threatened and endangered species in the area of the spill have been identified but are not impacted. Due to the ongoing response efforts, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

**Media Interest:** Low (local)

[http://www.al.com/news/index.ssf/2016/09/pipeline\\_leak\\_spilled\\_an\\_estim.html](http://www.al.com/news/index.ssf/2016/09/pipeline_leak_spilled_an_estim.html)

**The HQ EOC will continue to monitor and provide updates as needed.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

Eugene Lee, Senior Watch Officer

U.S. Environmental Protection Agency

Headquarters Emergency Operations Center

1200 Pennsylvania Ave

Washington, DC 20004

202-564-3850

<mailto:eoc.epahq@epa.gov>

**To:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Moore, Tony  
**Sent:** Fri 9/16/2016 11:29:30 PM  
**Subject:** Re: SITREP #7

.....  
>>>>>>>>

Minor corrections made, good to go

Sent from my iPhone

On Sep 16, 2016, at 7:04 PM, Harper, Greg <Harper.Greg@epa.gov> wrote:

Tony,

I have not read this yet, I have a spill notification I have to work. If you will read and edit I will send it out to everyone.

Thank you,  
Greg

Sent from my iPhone

Begin forwarded message:

**From:** "Eichinger, Kevin" <Eichinger.Kevin@epa.gov>  
**Date:** September 16, 2016 at 6:48:23 PM EDT  
**To:** "Harper, Greg" <Harper.Greg@epa.gov>  
**Subject:** SITREP #7

### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline Company (CPC) reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to CPC was made by a state mining inspector; however no volume estimate was provided at the time. CPC initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond. The spill volume has since been updated to between 6,000 barrels [bbls] and 8000 bbls (252,000 gallons – 336,000 gallons).

The local fire department responded and established a secured zone around the spill site. Local responders detected hazardous conditions due to potentially explosive vapor concentration around the spill location. Shelby County Emergency Management

responded and confirmed that no public or private drinking water sources are currently threatened by the spill.

Alabama Department of Environmental Management (ADEM) and Environmental Protection Agency (EPA) have integrated into Unified Command and are coordinating with State and County Agencies. An Incident Command Post is being operated out of Pelham, Alabama. The spill location is located in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

CPC confirmed that the impacted transmission line is shut down. Environmental contractors for CPC are on site to conduct air monitoring and remediation activities. Delays to remediate the spill routinely occur due to elevated concentrations of volatile organic compounds (VOC), specifically benzene, and explosive vapors exceeding the lower explosive limit (LEL).

EPA consulted with the Department of Interior (DOI) and the State of Alabama to identify threatened and endangered (T&E) species in the area of the spill. To EPA's knowledge, no impacts to T&E species have been reported at this time; however, field crews have noted minimal impacts to wildlife in the spill area.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, CPC, ADEM, and Shelby County. OSC Berry will demobilize on September 17, 2016. OSC Kevin Eichinger will assume EPA's position in Unified Command. OSC Garrard, OSC Tripp and four US Coast Guard Gulf Strike Team members remain deployed to assist with field observations. OSC Stilman remains deployed to assist in the Environmental Unit. Kerisa Coleman, a Region 4 public affairs specialist, arrived September 16, 2016 to assist in the Joint Information Center (JIC).

Current number of EPA Personnel Assigned: 6

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

Current number START Personnel: 3

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

A 6-inch pipe was observed discharging water from Pond 3; however flow was

restricted and likely due to a blockage. CPC has installed a plug in the pipe to reduce the potential of petroleum impacted water being released.

The elevated benzene and LEL continue to be the greatest limiting factor to recovery operations. CPC contractor, Center for Toxicology and Environmental Health, LLC (CTEH), remain on site providing air monitoring services. CTEH continues monitoring air quality in the work zones and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excessive benzene and LEL readings. Today's VOC exceedance levels range from 0 – 1,351.3 (Pond 2a compressor) parts per million (ppm). The exceedances from benzene range 0.05 – 3 (release site) ppm. LEL exceedance levels range from 0% - 10% (Release site).

CPC has managed to recover approximately 286,481 gallons of fuel and 233,228 gallons of mixed oil/water to date.

CPC performed an mass balance calculation and determined an estimated volume of 252,000 gallons of fuel was discharged. That number has been revised to an estimated 336,000 gallons. They estimate 200,705 gallons of fuel evaporated as of 9/16/16. These numbers are approximate and CPC will perform a final mass balance after product recovery activities are complete.

Diversions designed for Pond 3 include a weir and two underflow dams (at the Pond outfall). CPC continues to monitor Pond 3. No oil sheening has been seen along the shoreline on Pond 3. Unified Command (UC) will be notified if any petroleum is observed. OSC Garrard, along with the Gulf Strike Team (GST) and CPC personnel identified additional locations along Peel Creek for potential placement of an additional underflow dam. CPC has agreed to reserve material to construct these features. CPC has estimated a 10-hour construction time for this final structure. To facilitate access, CPC completed construction of an access road along the entire length of Peel Creek.

No adverse weather impacts are expected for the next operational period.

EPA/GST remain incorporated into Operations Section and air monitoring activities. OSC Garrard, OSC Tripp, and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

Kerisa Coleman is representing EPA in the Joint Information Center (JIC).

The Federal Aviation Administration (FAA) continues to maintain an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

Two START members continue the collection of split surface water samples with CPC

and conducting oversight of air monitoring activities. Split samples were collected from Pond 3 and confluence of Peel Creek and Cahaba River. In addition, a third START is providing ICS support.

EPA approved the vapor suppression plan and evacuation plan; subsequently, excavation in the area of the damaged pipe began at 1530 this afternoon. Local firefighters used a vapor suppressant agent during excavation activities.

Product recovery operations continue in Pond 2 at two points, southwestern portion of the Pond (2a) and northeast portion of the Pond (2b). CPC primarily used drum skimmers to capture free product from Pond 2. Vacuum trucks from 2b are transferring recovered product to 4 storage tanks at staging 2b. There are 2 storage tanks at staging 2a where they are recovering product from recovery point 2a.

There are currently 14 storage tanks at the main staging area. Visual observations indicate gasoline thickness on Pond 2 to be approximately 1-inch.

There are approximately 721 response worker onsite.

The CPC environmental consultant is responsible for identifying and documenting impacted wildlife. To date, four mammals including a rabbit, two raccoons, one fox, and one armadillo have been impacted; one reptile (turtle) has been impacted; and one white bird has been impacted. The bird is located in a restricted area and teams have not been able to get to it.

A Regional Response Team (RRT4) call was held today to update RRT4 members.

See <https://helena.colonialresponse.com/> for information on related to restoration of service.

### **PLANNED RESPONSE ACTIVITIES**

The EPA OSC has requested that START collect additional surface water samples with the Cahaba Riverkeeper. START will collect the samples during the next operational period. START and OSC Stilman will continue to monitor CPC's sampling and monitoring efforts. The following activities remain unchanged and continue during the response efforts:

- ✓ Continue to participate in UC
- ✓ Monitor removal activities
- ✓ Monitor safety air monitoring
- ✓ Participate in the Joint Information Center

✓ Prepare for and coordinate a transition to a removal phase

✓ Perform water sampling

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4 | 61 Forsyth St SW | Atlanta, Georgia | 30303**

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | [epaosc.org](http://epaossc.org)



**To:** Webster, James[Webster.James@epa.gov]  
**Cc:** Harper, Greg[Harper.Greg@epa.gov]; Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**From:** Moore, Tony  
**Sent:** Sat 9/17/2016 12:10:29 AM  
**Subject:** Re: SITREP #7 - Pelham Pipeline Spill

....

Thanks, I was arranging to have an amended sitrep distributed

Sent from my iPhone

On Sep 16, 2016, at 8:05 PM, Webster, James <Webster.James@epa.gov> wrote:

Put the waiver stuff in morning special ERNS

Sent from my iPhone

On Sep 16, 2016, at 8:03 PM, Harper, Greg <Harper.Greg@epa.gov> wrote:

## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #7**

1800 CDT, September 16, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline Company (CPC) reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to CPC was made by a state mining inspector; however no volume estimate was provided at the time. CPC initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond. The spill volume has since been updated to between 6,000 barrels [bbls] and 8000 bbls (252,000 gallons – 336,000 gallons).

The local fire department responded and established a secured zone around the spill site. Local responders detected hazardous conditions due to potentially explosive vapor concentration around the spill location. Shelby County Emergency Management responded and confirmed that no public or private drinking water sources are currently threatened by the spill.

Alabama Department of Environmental Management (ADEM) and Environmental Protection Agency (EPA) have integrated into Unified Command and are coordinating with State and County Agencies. An Incident Command Post is being operated out of Pelham, Alabama. The spill location is located in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

CPC confirmed that the impacted transmission line is shut down. Environmental contractors for CPC are on site to conduct air monitoring and remediation activities. Delays to remediate the spill routinely occur due to elevated concentrations of volatile organic compounds (VOC), specifically benzene, and explosive vapors exceeding the lower explosive limit (LEL).

EPA consulted with the Department of Interior (DOI) and the State of Alabama to identify threatened and endangered (T&E) species in the area of the spill. To EPA's knowledge, no impacts to T&E species have been reported at this time; however, field crews have noted minimal impacts to wildlife in the spill area.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, CPC, ADEM, and Shelby County. OSC Berry will demobilize on September 17, 2016. OSC Kevin Eichinger will assume EPA's position in Unified Command. OSC Garrard, OSC Tripp and four US Coast Guard Gulf Strike Team members remain deployed to assist with field observations. OSC Stilman remains deployed to assist in the Environmental Unit. Kerisa Coleman, a Region 4 public affairs specialist, arrived September 16, 2016 to assist in the Joint Information Center (JIC).

Current number of EPA Personnel Assigned: 6

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

Current number START Personnel: 3

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

A 6-inch pipe was observed discharging water from Pond 3; however flow was restricted and likely due to a blockage. CPC has installed a plug in the pipe to reduce the potential of petroleum impacted water being released.

The elevated benzene and LEL continue to be the greatest limiting factor to recovery operations. CPC contractor, Center for Toxicology and Environmental Health, LLC (CTEH), remain on site providing air monitoring services. CTEH continues monitoring air quality in the work zones and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excessive benzene and LEL readings. Today's VOC exceedance levels range from 0 – 1,351.3 (Pond 2a compressor) parts per million (ppm). The exceedances from benzene range 0.05 – 3 (release site) ppm. LEL exceedance levels range from 0% - 10% (Release site).

CPC has managed to recover approximately 286,481 gallons of fuel and 233,228 gallons of mixed oil/water to date.

CPC performed a mass balance calculation and determined an estimated volume of 252,000 gallons of fuel was discharged. That number has been revised to an estimated 336,000 gallons. They estimate 200,705 gallons of fuel evaporated as of 9/16/16. These numbers are approximate and CPC will perform a final mass balance after product recovery activities are complete.

Diversions designed for Pond 3 include a weir and two underflow dams (at the Pond outfall). CPC continues to monitor Pond 3. No oil sheening has been seen along the shoreline on Pond 3. Unified Command (UC) will be notified if any petroleum is observed. OSC Garrard, along with the Gulf Strike Team (GST) and CPC personnel identified additional locations along Peel Creek for potential placement of an additional underflow dam. CPC has agreed to reserve material to construct these features. CPC has estimated a 10-hour construction time for this final structure. To facilitate access, CPC completed construction of an access road along the entire length of Peel Creek.

No adverse weather impacts are expected for the next operational period.

EPA/GST remain incorporated into Operations Section and air monitoring activities. OSC Garrard, OSC Tripp, and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

Kerisa Coleman is representing EPA in the Joint Information Center (JIC).

The Federal Aviation Administration (FAA) continues to maintain an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

Two START members continue the collection of split surface water samples with CPC and conducting oversight of air monitoring activities. Split samples were collected from Pond 3 and confluence of Peel Creek and Cahaba River. In addition, a third START is providing ICS support.

EPA approved the vapor suppression plan and evacuation plan; subsequently, excavation in the area of the damaged pipe began at 1530 this afternoon. Local firefighters used a vapor suppressant agent during excavation activities.

Product recovery operations continue in Pond 2 at two points, southwestern portion of the Pond (2a) and northeast portion of the Pond (2b). CPC primarily used drum skimmers to capture free product from Pond 2. Vacuum trucks from 2b are transferring recovered product to 4 storage tanks at staging 2b. There are 2 storage tanks at staging 2a where they are recovering product from recovery point 2a.

There are currently 14 storage tanks at the main staging area. Visual observations indicate gasoline thickness on Pond 2 to be approximately 1-inch.

There are approximately 721 response worker onsite.

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A Regional Response Team (RRT4) call was held today to update RRT4 members.

See <https://helena.colonialresponse.com/> for information on related to restoration of service.

### **PLANNED RESPONSE ACTIVITIES**

The EPA OSC has requested that START collect additional surface water samples with the Cahaba Riverkeeper. START will collect the samples during the next operational period. START and OSC Stilman will continue to monitor CPC's sampling and monitoring efforts. The following activities remain unchanged and continue during the response efforts:

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✓ Preform water sampling



**To:** Harper, Greg[Harper.Greg@epa.gov]  
**Cc:** Webster, James[Webster.James@epa.gov]; Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**From:** Moore, Tony  
**Sent:** Sat 9/17/2016 12:15:24 AM  
**Subject:** Re: SITREP #7 - Pelham Pipeline Spill

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Let's wait till the morning to avoid confusion. Greg will you add the waiver language to the morning ERNS

Sent from my iPhone

On Sep 16, 2016, at 8:12 PM, Harper, Greg <Harper.Greg@epa.gov> wrote:

Sorry Jim I was getting all the recipients into the email when your email conversation came through.

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

harper.greg@epa.gov

**From:** Webster, James

**Sent:** Friday, September 16, 2016 8:06 PM

**To:** Harper, Greg <Harper.Greg@epa.gov>; Moore, Tony <moore.tony@epa.gov>;  
Eichinger, Kevin <Eichinger.Kevin@epa.gov>

**Subject:** Re: SITREP #7 - Pelham Pipeline Spill

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1800 CDT, September 16, 2016

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- ∇ Prepare for and coordinate a transition to a removal phase
- ∇ Perform water sampling



**To:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Moore, Tony  
**Sent:** Sat 9/17/2016 11:33:06 PM  
**Subject:** Re: Sitrep 8

.....  
>>>>>>>>

Sent from my iPhone

On Sep 17, 2016, at 7:17 PM, Harper, Greg <Harper.Greg@epa.gov> wrote:

Thanks

Sent from my iPhone

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An OSC and START are embedded in the Environmental Unit.

EPA Public Affairs Specialist and a Public Information Officer are also assigned to the Joint Information Center (JIC).

Current number of EPA Personnel Assigned: 5

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

Current number START Personnel: 3

Total number of response Personnel: 739

### **CURRENT RELEASE AND RECOVERY ESTIMATES**

Current Release Estimate – 6000 bbl to 8000 bbls

Recovery/Loss to the Environment Volumes:

<b>Fuel/Waste Recovery</b>	<b>Volume Since Last SITREP</b>	<b>Total Volume to Date</b>
Recovered from Pond #2	200 gallons	85,976 gallons
Loss to the Environment due to Evaporation	28,335 gallons	229,040 gallons
Bond in the Soil	TBD	TBD
Petroleum Contact Water		242,155 gallons

### **CURRENT OPERATIONS**

#### **1) Product Recovery and Removal**

∇ A 6-inch pipe was observed discharging water from Pond 3; however, flow was restricted likely due to a blockage. CPC has installed a plug in the 6-inch pipe attached to Pond 3 to help reduce the potential of petroleum impacted water being released. The water level was measured before installation and 24-hours after installation of the plug. Installation of the plug caused the water level to rise approximately 1-inch.

∇ CPC continues to evaluate plugging the culvert between Pond 2 and Pond 3. They intend to send a camera in the area tomorrow to determine the best method to seal it.

∇ CPC completed the new soil staging area last night and moved the excavated pile (generated during the previous operational period) to the new location. EPA advised CPC to have a secondary storage area ready in the event additional soil is excavated.

✓ Elevated benzene and lower explosive limit (LEL) continues to hinder progress. Minimal excavation occurred overnight due to elevated LEL and benzene readings at the leak site. CPC has excavated an estimated 40 tons of soil. Local firefighters continued to use a vapor suppressant agent during excavation activities.

✓ Due to health and safety reasons, product recovery operations are shut down while excavation occurs at the leak site. As excavation activities break or suspend due to elevated LEL and benzene levels, product recovery operations resume in Pond 2. Product recovery occurs at two points, southwestern portion of the Pond (2a) and northeast portion of the Pond (2b). CPC primarily used drum skimmers to capture free product from Pond 2. Vacuum trucks from 2b are transferring recovered product to 4 storage tanks at staging 2b. There are 2 storage tanks at staging 2a where they are recovering product from recovery point 2a. Excavation activities and elevated LEL and benzene levels limited product recover efforts today.

✓ Inclement weather caused activities to shut down for a period of time.

✓ Visual observations indicate gasoline thickness on Pond 2 to be approximately 1-inch.

## **2) Environmental Sampling and Impacts**

### **a. Air Monitoring**

✓ Work interruptions continue due to excessive benzene and LEL readings. Today's VOC's peaked at 270 parts per million (ppm) at the 2a compressor; benzene peaked at 2.4 ppm at the release site; and LEL peaked at 26% at stopple 2.

✓ Two START members continue to conduct oversight of air monitoring activities.

### **b. Surface Water**

✓ Two START members continue to collect split surface water samples with CPC. Split samples were collected from the Cahaba River in coordination with the Cahaba River Keeper and CPC's environmental consultant. START was unable to collect split samples from Pond 3 and Peel Creek due to excavation at the leak site; however, CPC's environmental consultant had a crew in the area and was able to collect samples from this area. Preliminary EPA water sample data should be received tonight.

### **c. Wildlife Impacts**

✓ The CPC environmental consultant is responsible for identifying and documenting impacted wildlife. To date, five mammals including a rabbit, two raccoons, one fox, and one armadillo have been impacted; one reptile (turtle) has been impacted; and one white bird has been impacted. The bird is located in a restricted area and teams have

not been able to get to it. No additional impacted wildlife was reported during this operation period.

### **3) Health and Safety Oversight**

✓ EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard, OSC Tripp, and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

✓ The Federal Aviation Administration (FAA) continues to maintain an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

### **4) Restoration of Services**

✓ CPC requested a waiver of the prohibition for commingling provisions are found in 40 C.F.R. § 80.78(a)(7) that prohibits any person from combining any reformulated gasoline blendstock for oxygenate blending with any other gasoline, blendstock, or oxygenate, unless certain conditions are met. The waiver request was issued on September 16, 2016 and will expire October 6, 2016.

✓ CPC continues to stage material and prepare for pushing the pig through the pipe to remove the remaining product. This process is anticipated to begin on Sunday afternoon and will be complete Monday morning.

✓ CPC continues to implement the plan to install an approximate 1,000 foot section of pipe to by-pass the leak site. This plan was developed with the input of Pipeline and Hazardous Materials Safety Agency (PHMSA). Once installed, the pipeline can resume service.

### **5) Remediation Planning**

✓ Plans continue to be developed and will be reviewed by IC when ready.

✓ The City of Helena operates the closest drinking water well. It is located approximately 5 miles for the release site. City Helena Utilities is conducting well water sampling for the constituents found in gasoline.

### **PLANNED RESPONSE ACTIVITIES**

Inclement weather is expected again during the next operation period which may affect planned activities. The following activities are planned during the next operation period:

✓ Continue to participate in UC

- ∇ Monitor removal activities
- ∇ START will continue to collect additional split surface water samples with the CPC environmental contractor and the Cahaba Riverkeeper
- ∇ START will continue to monitor CPC's air monitoring efforts
- ∇ Monitor safety air monitoring
- ∇ Participate in the Joint Information Center
- ∇ Prepare for and coordinate a transition to a removal phase
- ∇ CPC will pre-stage oil containment booms on the Cahaba River
- ∇ Install an additional underflow dam near the confluence of Peel Creek and the Cahaba River
- ∇ Pre-stage aeration equipment along Peel Creek.
- ∇ Complete pipeline bypass and restore service.
- ∇ Continue recovery of fuel from Pond 2
- ∇ Continue removal of fuel from the plugged pipeline

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4 | 61 Forsyth St SW | Atlanta, Georgia | 30303**

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | [epaossc.org](http://epaossc.org)



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**From:** Moore, Tony  
**Sent:** Sat 9/17/2016 11:33:37 PM  
**Subject:** Re: Sitrep 8

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>>>>>>>>>  
Ignore that one

Sent from my iPhone

On Sep 17, 2016, at 7:17 PM, Harper, Greg <Harper.Greg@epa.gov> wrote:

Thanks

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✓ The Federal Aviation Administration (FAA) continues to maintain an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

### **4) Restoration of Services**

✓ CPC requested a waiver of the prohibition for commingling provisions are found in 40 C.F.R. § 80.78(a)(7) that prohibits any person from combining any reformulated gasoline blendstock for oxygenate blending with any other gasoline, blendstock, or oxygenate, unless certain conditions are met. The waiver request was issued on September 16, 2016 and will expire October 6, 2016.

✓ CPC continues to stage material and prepare for pushing the pig through the pipe to remove the remaining product. This process is anticipated to begin on Sunday afternoon and will be complete Monday morning.

✓ CPC continues to implement the plan to install an approximate 1,000 foot section of pipe to by-pass the leak site. This plan was developed with the input of Pipeline and Hazardous Materials Safety Agency (PHMSA). Once installed, the pipeline can resume service.

### **5) Remediation Planning**

✓ Plans continue to be developed and will be reviewed by IC when ready.

✓ The City of Helena operates the closest drinking water well. It is located approximately 5 miles from the release site. City Helena Utilities is conducting well water sampling for the constituents found in gasoline.

### **PLANNED RESPONSE ACTIVITIES**

Inclement weather is expected again during the next operation period which may affect planned activities. The following activities are planned during the next operation period:

✓ Continue to participate in UC

- ∇ Monitor removal activities
- ∇ START will continue to collect additional split surface water samples with the CPC environmental contractor and the Cahaba Riverkeeper
- ∇ START will continue to monitor CPC's air monitoring efforts
- ∇ Monitor safety air monitoring
- ∇ Participate in the Joint Information Center
- ∇ Prepare for and coordinate a transition to a removal phase
- ∇ CPC will pre-stage oil containment booms on the Cahaba River
- ∇ Install an additional underflow dam near the confluence of Peel Creek and the Cahaba River
- ∇ Pre-stage aeration equipment along Peel Creek.
- ∇ Complete pipeline bypass and restore service.
- ∇ Continue recovery of fuel from Pond 2
- ∇ Continue removal of fuel from the plugged pipeline

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4 | 61 Forsyth St SW | Atlanta, Georgia | 30303**

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | [epaossc.org](http://epaossc.org)



**To:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Moore, Tony  
**Sent:** Sat 9/17/2016 11:49:08 PM  
**Subject:** Re: Sitrep 8

.....  
,,,,,,,,,

Minor corrections made good to go

Sent from my iPhone

On Sep 17, 2016, at 7:17 PM, Harper, Greg <Harper.Greg@epa.gov> wrote:

Thanks

Sent from my iPhone

On Sep 17, 2016, at 7:16 PM, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

Here's the text. We are including a map and pict so I will get you the doc shortly:

#### **INCIDENT SUMMARY**

On September 9, 2016, at 1359 hours CDT, Colonial Pipeline Company (CPC) reported a gasoline spill from a 36" below ground pipeline to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River).

CPC initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond. The spill volume has since been updated to between 6,000 barrels [bbls] and 8000 bbls (252,000 gallons – 336,000 gallons).

Alabama Department of Environmental Management (ADEM) and Environmental Protection Agency (EPA) have integrated into Unified Command and are coordinating with State and County Agencies. An Incident Command Post is being operated out of Pelham, Alabama. The spill location is located in a remote area. The nearest residential neighborhood and commercial area is located two miles from the spill location.

#### **INCIDENT MANAGEMENT AND STAFFING**

OSC Chuck Berry integrated into Unified Command initially and demobilize on September 17, 2016. OSC Kevin Eichinger resumed EPA's position in Unified Command.

OSCs, the United States Coast Guard (USCG) Gulf Strike Team (GST) and the

Superfund Technical Assessment and Response Team (START) are embed in the Operations Sections.

An OSC and START are embed in the Environmental Unit.

EPA Public Affairs Specialist and a Public Information Officer are also assigned to the Joint Information Center (JIC).

Current number of EPA Personnel Assigned: 5

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

Current number START Personnel: 3

Total number of response Personnel: 739

### **CURRENT RELEASE AND RECOVERY ESTIMATES**

Current Release Estimate – 6000 bbl to 8000 bbls

Recovery/Loss to the Environment Volumes:

<b>Fuel/Waste Recovery</b>	<b>Volume Since Last SITREP</b>	<b>Total Volume to Date</b>
Recovered from Pond #2	200 gallons	85,976 gallons
Loss to the Environment due to Evaporation	28,335 gallons	229,040 gallons
Bond in the Soil	TBD	TBD
Petroleum Contact Water		242,155 gallons

### **CURRENT OPERATIONS**

#### **1) Product Recovery and Removal**

∇ A 6-inch pipe was observed to discharging water from Pond 3; however, flow was restricted likely due to a blockage. CPC has installed a plug in the 6-inch pipe to help reduce the potential of petroleum impacted water being released. The water level was measured before installation and 24-hours after installation of the plug. Installation of the plug caused the water level to rise approximately 1-inch.

∇ CPC continues to evaluate plugging the culvert between Pond 2 and Pond 3. They intend to send a camera in the area tomorrow to determine the best method to seal it.

∇ CPC completed the new soil staging area last night and moved the excavated pile (generated during the previous operational period) to the new location. EPA advised CPC to have a secondary storage area ready in the event additional soil is excavated.

∇ Elevated benzene and lower explosive limit (LEL) continue to hinder progress. Minimal excavation occurred overnight due to elevated LEL and benzene readings at the leak site. CPC has excavated an estimated 40 tons of soil. Local firefighters continued to use a vapor suppressant agent during excavation activities.

∇ Due to health and safety reasons, product recovery operations shut down while excavation occurs at the leak site. When excavation activities break or suspend due to elevated LEL and benzene levels, product recovery operations resume in Pond 2. Product recovery occurs at two points, the southwestern portion of the Pond (2a) and northeast portion of the Pond (2b). CPC primarily use drum skimmers to capture free product from Pond 2. Vacuum trucks from 2b are transferring recovered product to four storage tanks at staging 2b. There are two storage tanks at staging 2a, recovering product from recovery point 2a. Excavation activities and elevated LEL and benzene levels limited product recover efforts today.

∇ Inclement weather caused activities to shut down for a period of time.

∇ Visual observations indicate gasoline thickness on Pond 2 to be approximately 1-inch.

## **2) Environmental Sampling and Impacts**

### **a. Air Monitoring**

∇ Work interruptions continue due to excessive benzene and LEL readings. Today's VOC's peaked at 270 parts per million (ppm) at the 2a compressor; benzene peaked at 2.4 ppm at the release site; and LEL peaked at 26% at stopple 2.

∇ Two START members continue to conduct oversight of air monitoring activities.

### **b. Surface Water**

∇ Two START members continue to collect split surface water samples with CPC. Split samples were collected from the Cahaba River in coordination with the Cahaba River Keeper and CPC's environmental consultant. START was unable to collect split samples from Pond 3 and Peel Creek due to excavation at the leak site; however, CPC's environmental consultant had a crew in the area and was able to collect samples from this area. Preliminary EPA water sample data should be received tonight.

### **c. Wildlife Impacts**

∇ The CPC environmental consultant is responsible for identifying and documenting impacted wildlife. To date, five mammals including a rabbit, two raccoons, one fox, and one armadillo have been impacted; one reptile (turtle) has been impacted; and one

white bird has been impacted. The bird is located in a restricted area and teams have not been able to get to it. No additional impacted wildlife was reported during this operation period.

### **3) Health and Safety Oversight**

✓ EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard, OSC Tripp, and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

✓ The Federal Aviation Administration (FAA) continues to maintain an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

### **4) Restoration of Services**

✓ CPC requested a waiver of the prohibition for commingling provisions [found in 40 C.F.R. § 80.78(a)(7)] that prohibits any person from combining any reformulated gasoline blendstock for oxygenate blending with any other gasoline, blendstock, or oxygenate, unless certain conditions are met. The waiver request was issued on September 16, 2016 and will expire October 6, 2016.

✓ CPC continues to stage material and prepare for pushing the pig through the pipe to remove the remaining product. This process is anticipated to begin on Sunday afternoon and will be completed Monday morning.

✓ CPC continues to implement the plan to install an approximate 1,000 foot section of pipe to by-pass the leak site. This plan was developed with the input of Pipeline and Hazardous Materials Safety Agency (PHMSA). Once installed, the pipeline can resume service.

### **5) Remediation Planning**

✓ Plans continue to be developed and will be reviewed by IC when ready.

✓ The City of Helena operates the closest drinking water well. It is located approximately five miles from the release site. City Helena Utilities is conducting well water sampling for the constituents found in gasoline.

### **PLANNED RESPONSE ACTIVITIES**

Inclement weather is expected again during the next operation period which may affect planned activities. The following activities are planned during the next operation period:

✓ Continue to participate in UC

- ∇ Monitor removal activities
- ∇ START will continue to collect additional split surface water samples with the CPC environmental contractor and the Cahaba Riverkeeper
- ∇ START will continue to monitor CPC's air monitoring efforts
- ∇ Monitor safety air monitoring
- ∇ Participate in the Joint Information Center
- ∇ Prepare for and coordinate a transition to a removal phase
- ∇ CPC will pre-stage oil containment booms on the Cahaba River
- ∇ Install an additional underflow dam near the confluence of Peel Creek and the Cahaba River
- ∇ Pre-stage aeration equipment along Peel Creek.
- ∇ Complete pipeline bypass and restore service.
- ∇ Continue recovery of fuel from Pond 2
- ∇ Continue removal of fuel from the plugged pipeline

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | [epaosc.org](http://epaosc.org)



**To:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Moore, Tony  
**Sent:** Sat 9/17/2016 11:49:52 PM  
**Subject:** Re: Sitrep 8

.....  
>>>>>>>>>>

Incorporate yours into mine. Thanks and good job

Sent from my iPhone

On Sep 17, 2016, at 7:46 PM, Harper, Greg <Harper.Greg@epa.gov> wrote:

Do you want me to forward my edits or incorporate my into your's?

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

harper.greg@epa.gov

**From:** Moore, Tony  
**Sent:** Saturday, September 17, 2016 7:34 PM  
**To:** Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** Re: Sitrep 8

Ignore that one

Sent from my iPhone

On Sep 17, 2016, at 7:17 PM, Harper, Greg <Harper.Greg@epa.gov> wrote:

Thanks

Sent from my iPhone

On Sep 17, 2016, at 7:16 PM, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

Here's the text. We are including a map and pict so I will get you the doc shortly:

### **INCIDENT SUMMARY**

On September 9, 2016, at 1359 hours CDT, Colonial Pipeline Company (CPC) reported a gasoline spill from a 36" below ground pipeline to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River).

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An OSC and START are embed in the Environmental Unit.

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Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

Current number START Personnel: 3

Total number of response Personnel: 739

## **CURRENT RELEASE AND RECOVERY ESTIMATES**

Current Release Estimate – 6000 bbl to 8000 bbls

Recovery/Loss to the Environment Volumes:

<b>Fuel/Waste Recovery</b>	<b>Volume Since Last SITREP</b>	<b>Total Volume to Date</b>
Recovered from Pond #2	200 gallons	85,976 gallons
Loss to the Environment due to Evaporation	28,335 gallons	229,040 gallons
Bond in the Soil	TBD	TBD
Petroleum Contact Water		242,155 gallons

## **CURRENT OPERATIONS**

### **1) Product Recovery and Removal**

✓ A 6-inch pipe was observed to discharge water from Pond 3; however, flow was restricted likely due to a blockage. CPC has installed a plug in the 6-inch pipe attached to Pond 3 to help reduce the potential of petroleum impacted water being released. The water level was measured before installation and 24-hours after installation of the plug. Installation of the plug caused the water level to rise approximately 1-inch.

✓ CPC continues to evaluate plugging the culvert between Pond 2 and Pond 3. They intend to send a camera in the area tomorrow to determine the best method to seal it.

✓ CPC completed the new soil staging area last night and moved the excavated pile (generated during the previous operational period) to the new location. EPA advised CPC to have a secondary storage area ready in the event additional soil is excavated.

✓ Elevated benzene and lower explosive limit (LEL) continues to hinder progress. Minimal excavation occurred overnight due to elevated LEL and benzene readings at the leak site. CPC has excavated an estimated 40 tons of soil. Local firefighters continued to use a vapor suppressant agent during excavation activities.

✓ Due to health and safety reasons, product recovery operations shut down while excavation occurs at the leak site. As excavation activities break or suspend due to elevated LEL and benzene levels, product recovery operations resume in Pond 2. Product recovery occurs at two points, southwestern portion of the Pond (2a) and northeast portion of the Pond (2b). CPC primarily used drum skimmers to capture free product from Pond 2. Vacuum trucks from 2b are transferring recovered product to 4 storage tanks at staging 2b. There are 2 storage tanks at

staging 2a where they are recovering product from recovery point 2a. Excavation activities and elevated LEL and benzene levels limited product recover efforts today.

∇ Inclement weather caused activities to shut down for a period of time.

∇ Visual observations indicate gasoline thickness on Pond 2 to be approximately 1-inch.

## **2) Environmental Sampling and Impacts**

### **a. Air Monitoring**

∇ Work interruptions continue due to excessive benzene and LEL readings. Today's VOC's peaked at 270 parts per million (ppm) at the 2a compressor; benzene peaked at 2.4 ppm at the release site; and LEL peaked at 26% at stopple 2.

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∇ Two START members continue to collect split surface water samples with CPC. Split samples were collected from the Cahaba River in coordination with the Cahaba River Keeper and CPC's environmental consultant. START was unable to collect split samples from Pond 3 and Peel Creek due to excavation at the leak site; however, CPC's environmental consultant had a crew in the area and was able to collect samples from this area. Preliminary EPA water sample data should be received tonight.

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∇ The CPC environmental consultant is responsible for identifying and documenting impacted wildlife. To date, five mammals including a rabbit, two raccoons, one fox, and one armadillo have been impacted; one reptile (turtle) has been impacted; and one white bird has been impacted. The bird is located in a restricted area and teams have not been able to get to it. No additional impacted wildlife was reported during this operation period.

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∇ EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard, OSC Tripp, and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

∇ The Federal Aviation Administration (FAA) continues to maintain an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

#### **4) Restoration of Services**

∇ CPC requested a waiver of the prohibition for commingling provisions are found in 40 C.F.R. § 80.78(a)(7) that prohibits any person from combining any reformulated gasoline blendstock for oxygenate blending with any other gasoline, blendstock, or oxygenate, unless certain conditions are met. The waiver request was issued on September 16, 2016 and will expire October 6, 2016.

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∇ CPC continues to implement the plan to install an approximate 1,000 foot section of pipe to by-pass the leak site. This plan was developed with the input of Pipeline and Hazardous Materials Safety Agency (PHMSA). Once installed, the pipeline can resume service.

#### **5) Remediation Planning**

∇ Plans continue to be developed and will be reviewed by IC when ready.

∇ The City of Helena operates the closest drinking water well. It is located approximately 5 miles for the release site. City Helena Utilities is conducting well water sampling for the constituents found in gasoline.

#### **PLANNED RESPONSE ACTIVITIES**

Inclement weather is expected again during the next operation period which may affect planned activities. The following activities are planned during the next operation period:

∇ Continue to participate in UC

∇ Monitor removal activities

∇ START will continue to collect additional split surface water samples with the CPC environmental contractor and the Cahaba Riverkeeper

∇ START will continue to monitor CPC's air monitoring efforts

∇ Monitor safety air monitoring

- ∇ Participate in the Joint Information Center
- ∇ Prepare for and coordinate a transition to a removal phase
- ∇ CPC will pre-stage oil containment booms on the Cahaba River
- ∇ Install an additional underflow dam near the confluence of Peel Creek and the Cahaba River
- ∇ Pre-stage aeration equipment along Peel Creek.
- ∇ Complete pipeline bypass and restore service.
- ∇ Continue recovery of fuel from Pond 2
- ∇ Continue removal of fuel from the plugged pipeline

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4 | 61 Forsyth St SW | Atlanta, Georgia | 30303**

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | [epaosc.org](http://epaossc.org)

**To:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Moore, Tony  
**Sent:** Sun 9/18/2016 12:15:19 AM  
**Subject:** Re: SITREP #8 - Pelham Pipeline Spill

.....  
,,,,,,

Add the waiver info I sent earlier

Sent from my iPhone

On Sep 17, 2016, at 8:13 PM, Harper, Greg <Harper.Greg@epa.gov> wrote:

## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #8**

1800 CDT, September 17, 2016

#### **INCIDENT SUMMARY**

On September 9, 2016, at 1359 hours CDT, Colonial Pipeline Company (CPC) reported a gasoline spill from a 36" below ground pipeline to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River).

CPC initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond. The spill volume has since been updated to between 6,000 barrels [bbls] and 8,000 bbls (252,000 gallons – 336,000 gallons).

Alabama Department of Environmental Management (ADEM) and Environmental Protection Agency (EPA) have integrated into Unified Command and are coordinating with State and County Agencies. An Incident Command Post is being operated out of Pelham, Alabama. The spill location is located in a remote area. The nearest residential neighborhood and commercial area is located two miles from the spill location.

#### **INCIDENT MANAGEMENT AND STAFFING**

OSC Chuck Berry integrated into Unified Command initially and demobilize on September 17, 2016. OSC Kevin Eichinger assumed EPA's position in Unified Command.

OSCs, the United States Coast Guard (USCG) Gulf Strike Team (GST) and the Superfund Technical Assessment and Response Team (START) are embed in the Operations Sections.

An OSC and START are embed in the Environmental Unit.

EPA Public Affairs Specialist and a Public Information Officer are also assigned to the Joint Information Center (JIC).

Current number of EPA Personnel Assigned: 5

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

Current number START Personnel: 3

Total number of response Personnel: 739

### **CURRENT RELEASE AND RECOVERY ESTIMATES**

Current Release Estimate – 6,000 bbl to 8,000 bbls

Recovery/Loss to the Environment Volumes:

<b>Fuel/Waste Recovery</b>	<b>Volume Since Last SITREP</b>	<b>Total Volume to Date</b>
Recovered from Pond #2	200 gallons	85,976 gallons
Loss to the Environment due to Evaporation	28,335 gallons	229,040 gallons
Bond in the Soil	TBD	TBD
Petroleum Contact Water		242,155 gallons

### **CURRENT OPERATIONS**

#### **1) Product Recovery and Removal**

∇ A 6-inch pipe was observed to discharging water from Pond 3; however, flow was restricted likely due to a blockage. CPC has installed a plug in the 6-inch pipe to help reduce the potential of petroleum impacted water being released. The water level was measured before installation and 24-hours after installation of the plug. Installation of the plug caused the water level to rise approximately 1-inch.

∇ CPC continues to evaluate plugging the culvert between Pond 2 and Pond 3. They intend to send a camera in the area tomorrow to determine the best method to seal it.

∇ CPC completed the new soil staging area last night and moved the excavated pile (generated during the previous operational period) to the new location. EPA advised CPC to

have a secondary storage area ready in the event additional soil is excavated.

∇ Elevated benzene and lower explosive limit (LEL) continue to hinder progress. Minimal excavation occurred overnight due to elevated LEL and benzene readings at the leak site. CPC has excavated an estimated 40 tons of soil. Local firefighters continued to use a vapor suppressant agent during excavation activities.

∇ Due to health and safety reasons, product recovery operations shut down while excavation occurs at the leak site. When excavation activities break or suspend due to elevated LEL and benzene levels, product recovery operations resume in Pond 2. Product recovery occurs at two points, the southwestern portion of the Pond (2a) and northeast portion of the Pond (2b). CPC primarily use drum skimmers to capture free product from Pond 2. Vacuum trucks from 2b are transferring recovered product to four storage tanks at staging 2b. There are two storage tanks at staging 2a, recovering product from recovery point 2a. Excavation activities and elevated LEL and benzene levels limited product recovery efforts today.

∇ Inclement weather caused activities to shut down for a period of time.

∇ Visual observations indicate gasoline thickness on Pond 2 to be approximately 1-inch.

## **2) Environmental Sampling and Impacts**

### **a. Air Monitoring**

∇ Work interruptions continue due to excessive benzene and LEL readings. Today's VOC's peaked at 270 parts per million (ppm) at the 2a compressor; benzene peaked at 2.4 ppm at the release site; and LEL peaked at 26% at stopple 2.

∇ Two START members continue to conduct oversight of air monitoring activities.

### **b. Surface Water**

∇ Two START members continue to collect split surface water samples with CPC. Split samples were collected from the Cahaba River in coordination with the Cahaba River Keeper and CPC's environmental consultant. START was unable to collect split samples from Pond 3 and Peel Creek due to excavation at the leak site; however, CPC's environmental consultant had a crew in the area and was able to collect samples from this area.

∇ Preliminary EPA water sample data should be received tonight.

### **c. Wildlife Impacts**

∇ The CPC environmental consultant is responsible for identifying and documenting

impacted wildlife. To date, five mammals including a rabbit, two raccoons, one fox, and one armadillo have been impacted; one reptile (turtle) has been impacted; and one white bird has been impacted. The bird is located in a restricted area and teams have not been able to collect it. No additional impacted wildlife was reported during this operation period.

### **3) Health and Safety Oversight**

✓ EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard, OSC Tripp, and two GST members continue to provide oversight of site safety and monitor the operations progress.

✓ Two GST members continue to observe night operations.

✓ The Federal Aviation Administration (FAA) continues to maintain an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

### **4) Restoration of Services**

✓ CPC requested a waiver of the prohibition for commingling provisions [found in 40 C.F.R. § 80.78(a)(7)] that prohibits any person from combining any reformulated gasoline blendstock for oxygenate blending with any other gasoline, blendstock, or oxygenate, unless certain conditions are met. The waiver request was issued on September 16, 2016 and will expire October 6, 2016.

✓ CPC continues to stage material and prepare for pushing the pig through the pipe to remove the remaining product. This process is anticipated to begin on Sunday afternoon and will be completed Monday morning.

✓ CPC continues to implement the plan to install an approximate 1,000 foot section of pipe to by-pass the leak site. This plan was developed with the input of Pipeline and Hazardous Materials Safety Agency (PHMSA). Once installed, the pipeline can resume service.

### **5) Remediation Planning**

✓ Plans continue to be developed and will be reviewed by IC when ready.

✓ The City of Helena operates the closest drinking water well. It is located approximately five miles from the release site. City Helena Utilities is conducting well water sampling for the constituents found in gasoline.

## **PLANNED RESPONSE ACTIVITIES**

Inclement weather is expected again during the next operation period which may affect planned activities. The following activities are planned during the next operation period:

- ∇ Continue to participate in UC
- ∇ Monitor removal activities
- ∇ START will continue to collect additional split surface water samples with the CPC environmental contractor and the Cahaba River Keeper
- ∇ START will continue to monitor CPC's air monitoring efforts
- ∇ Participate in the Joint Information Center
- ∇ Prepare for and coordinate a transition to a removal phase
- ∇ CPC will pre-stage oil containment booms on the Cahaba River
- ∇ Install an additional underflow dam near the confluence of Peel Creek and the Cahaba River
- ∇ Pre-stage aeration equipment along Peel Creek.
- ∇ Complete pipeline bypass and restore service.
- ∇ Continue recovery of fuel from Pond 2
- ∇ Continue removal of fuel from the plugged pipeline



**To:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Moore, Tony  
**Sent:** Mon 9/19/2016 12:00:56 AM  
**Subject:** Re: SITREP 9

.....  
No changes

Sent from my iPhone

On Sep 18, 2016, at 7:55 PM, Harper, Greg <Harper.Greg@epa.gov> wrote:

Any changes? If so I will use your text.

Sent from my iPhone

On Sep 18, 2016, at 7:50 PM, Moore, Tony <moore.tony@epa.gov> wrote:

Check it and send it on

Sent from my iPhone

On Sep 18, 2016, at 7:20 PM, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #9**

1800 CDT, September 18, 2016

#### **INCIDENT SUMMARY**

On September 9, 2016, at 1359 hours CDT, Colonial Pipeline Company (CPC) reported a gasoline spill from a 36" below ground pipeline to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River).

CPC initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond. The spill volume has since

been updated to between 6,000 barrels [bbls] and 8,000 bbls (252,000 gallons – 336,000 gallons).

Alabama Department of Environmental Management (ADEM) and Environmental Protection Agency (EPA) have integrated into Unified Command and are coordinating with State and County Agencies. An Incident Command Post is being operated out of Pelham, Alabama.

### **INCIDENT MANAGEMENT AND STAFFING**

OSC Kevin Eichinger remains integrated into Unified Command.

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START is embedded in the Environmental Unit.

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Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

Current number START Personnel: 3

Total number of response Personnel: 743

### **CURRENT RELEASE AND RECOVERY ESTIMATES**

Current Release Estimate – 6,000 bbl to 8,000 bbls

Recovery/Loss to the Environment Volumes:

<b>Fuel/Waste Recovery</b>	<b>Volume Since Last SITREP</b>	<b>Total Volume to Date</b>
Recovered from Pond #2	To be reported*	85,976 gallons*
Loss to the Environment due to Evaporation	28,335 gallons	257,375 gallons
Bond in the Soil	TBD	TBD
Petroleum Contact Water		242,155 gallons*
Petroleum Contaminated Soil		40 tons

Notes:

\* Product recovery activities did occur this operational period. Crews were unable to provide product recovery number before the 1600 meeting.

## **CURRENT OPERATIONS**

### **1) Product Recovery and Removal**

∇ OSC Eichinger participated in an overflight and assessed the Cahaba River and site operations. No sheen was observed on the Cahaba.

∇ Crews continues to evaluate plugging the culvert between Pond 2 and Pond 3. OSC Garrard oversaw and provided support as they sent a camera in the area to determine the best method to seal it; however, the camera was unable to find the culvert. Unified Command will explore other methods to look for it.

∇ OSC Garrard is working with Operations to evaluate potential options for controlling source material at leak site prior to discharging to Pond 2.

∇ A fuel/water mixture continues to drain out of the leak site to Pond 2. As of this morning, the quantity has been reduced to approximately 1 quart per minute. The fuel to water ratio is estimated at 20%, respectively.

∇ Visual observations indicate gasoline on Pond 2 covers approximately one third of the pond and thickness to be approximately 1-inch, where it pooled (see photo below).

∇ Operations continued to recover product from Pond 2. Product recovery occurred at two points, the southwestern portion of the Pond (2a) and northeast portion of the Pond (2b). Skimmers capture free product from Pond 2. Vacuum trucks from 2b are transferring recovered product to four storage tanks at staging 2b. There are two storage tanks at staging 2a, to contain recovered product in that area. This evening, Boom was placed across Pond 2 to keep the pooled product in the northeast portion of the pond contained in that area.

∇ Pipeline draining activities continue at stopple 2.

∇ Excavation did not occur during this reporting period.

∇ Inclement weather caused activities to shut down for a period of time this morning.

∇ Installation of an additional underflow dam in Peel Creek, approximately 200 feet southeast of the Cahaba River is progressing. Operations anticipates completion tomorrow.

## **2) Environmental Sampling and Impacts**

### **a. Air Monitoring**

∇ Work interruptions continue due to excessive benzene and LEL readings. Today's VOC's peaked at 768 parts per million (ppm) at the 2a recovery; benzene peaked at 5.7 ppm at the 2a recovery; and LEL peaked at 8% at stopple 2.

∇ One START member continues to conduct oversight of air monitoring activities.

### **b. Surface Water**

∇ One START member continues to collect split surface water samples with CPC. START obtained split samples from Pond 3, Peel Creek, and the Cahaba River in coordination with the Cahaba River Keeper and CPC's environmental consultant.

∇ An EPA OSC and START kayaked the Cahaba River from the confluence of the with Peel Creek to approximately 2 miles down streams. Water samples were collected. No sheen was observed on the River.

∇ EPA received preliminary water sample data for September 16 and 17, 2016. Laboratory analytical results reveal the presence of site specific constituents in concentrations similar to CPC's data. The surface water sample collected at the confluence of Peel Creek and the Cahaba River on September 16, 2016 contained total petroleum hydrocarbon (TPH) gasoline range organics (GRO) at an estimated concentration of 0.064 milligrams per kilogram (mg/kg). This detection is low and may not be related to the spill. Subsequent sampling at this location did not identify site specific constituents above the laboratory reporting limit. EPA will continue to collect surface water samples in the area and monitor for any changes.

∇ The sample collected at this location the following day did not detect any site specific constituents above the laboratory reporting limit.

### **c. Wildlife Impacts**

∇ The CPC environmental consultant is responsible for identifying and documenting impacted wildlife. During this operation period, teams identified one dead otter, one dead duck, and three dead turtles. Federal Fish and Wildlife visited the site to identify the duck species and determined it was a hen wood duck.

∇ To date, seven mammals including a rabbit, two raccoons, one fox, one coyote,

one otter, and one armadillo have been impacted; four reptiles (turtle) has been impacted; and two birds (a duck and one white bird) have been impacted. The white bird remains in a restricted area and teams have not been able collect it; however, it is assumed to be an egret.

### **3) Health and Safety Oversight**

∇ EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard, OSC Tripp, and two GST members continue to provide oversight of site safety and monitor the operations progress.

∇ Two GST members continue to observe night operations.

∇ The Federal Aviation Administration (FAA) continues to maintain an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

### **4) Restoration of Services**

∇ CPC continues to stage material and prepare for pushing the pig through the pipe to remove the remaining product. Operation is currently planned for the next operational period (tomorrow, 9/19/2016)

∇ CPC continues to implement the plan to install an approximate 1,000-foot section of pipe to by-pass the leak site. This plan was developed with the input of Pipeline and Hazardous Materials Safety Agency (PHMSA). Once installed, the pipeline can resume service.

∇ Crews continue work to excavate and level the route for the bypass line and stage pipe. CPC has reported in the media that pipeline service will be restored by September 23, 2016.

### **5) Remediation Planning**

∇ Plans continue to be developed and will be reviewed by UC when ready.

∇ CPC is working to identify livestock access and potential use of the Cahaba River for crop irrigation.

### **6) Emergency Fuel Waiver**

∇ CPC requested a waiver of the prohibition for commingling provisions [found in 40 C.F.R. § 80.78(a)(7) ] that prohibits any person from combining any reformulated gasoline blendstock for oxygenate blending with any other gasoline, blendstock, or oxygenate, unless certain conditions are met. The waiver request was issued on September 16, 2016 and will expire October 6, 2016, EPA issued

an emergency fuel waiver of the reformulated gasoline (RFG) requirements in Alabama, Delaware, Georgia, Kentucky, Maryland, Mississippi, New Jersey, North Carolina, South Carolina, Tennessee, Virginia and the District of Columbia. If there is any change or addition to the waiver status it will be noted in the SITREP.

### **PLANNED RESPONSE ACTIVITIES**

Inclement weather may impact night ops but is not expected during the next operation period. The following activities are planned during the next operation period:

- ∇ Continue to participate in UC
- ∇ Monitor removal activities
- ∇ START will continue to collect additional split surface water samples with the CPC environmental contractor and the Cahaba River Keeper. Water samples will be collected from Pond #2.
- ∇ START will continue to monitor CPC's air monitoring efforts
- ∇ Participate in the Joint Information Center
- ∇ Prepare for and coordinate a transition to a removal phase
- ∇ CPC will pre-stage oil containment booms on the Cahaba River
- ∇ Continue to install the additional underflow dam near the confluence of Peel Creek and the Cahaba River
- ∇ Pre-stage aeration equipment along Peel Creek.
- ∇ Complete pipeline bypass and restore service.
- ∇ Continue recovery of fuel from Pond 2
- ∇ Continue removal of fuel from the plugged pipeline
- ∇ The FAA will be contacted to extend the no-fly over the site

### **SITUATIONAL REFERENCE MATERIAL**

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Aerial photographic taken today. Pond #3 is on the left; Pond #2 is on the right. Fuel has been confined to the upper 1/3 of the pond.

## **Overview of EPA Surface Water Sampling Locations**

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**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

U.S. Environmental Protection Agency, Region 4 | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | [epaosc.org](http://epaossc.org)



**To:** Moore, Tony[moore.tony@epa.gov]  
**From:** Harper, Greg  
**Sent:** Fri 9/16/2016 12:22:29 AM  
**Subject:** SITREP #6



## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #6**

1800 CDT, September 15, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by a state mining inspector, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has since been updated in NRC Reports to 252,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) and EPA have integrated into Unified Command and are coordinating with State and County Agencies. An Incident Command Post is being operated out of Pelham, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of explosive vapors and

volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Consult with the Department of Interior and the State of Alabama identified threatened and endangered (T&E) species in the area of the spill. However, no T&E species have been reported impacted from the spill, although several common species have been impacted.

The appropriate members were engaged during the initial response notification process. The following members were part of the initial notification: ADEM; Department of the Interior (DOI); and United States Environmental Protection Agency (USEPA). A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard, OSC Tripp and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. OSC Stilman has been deployed to assist with Incident Command. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

Current number START Personnel: 3

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

Both stopples are in place. Colonial has ceased recovering product from the line as the nitrogen displacement has reached its maximum efficacy. Colonial has developed a displacement plan to use water to displace the remained of the fuel. Activities for this operations are estimated to be ready Saturday. Fuel continues to leak from the break, but at a much reduced rate.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. CTEH continues monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's VOC exceedance levels range from 30 - 2,699 parts per million (ppm). The exceedances from benzene range 0.6 - 18 ppm. LEL exceedance levels range from 10% - 196%.

Colonial has managed to remove approximately 233,614 gallons of liquid from Pond 2. Of that

volume 58,461 gallons of fuel has been recovered and 175,531 gallons of mixed oil/water remain in frac tanks.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 252,000 gallons of fuel was discharged. They are estimating 180,634 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. OSC Garrard, OPS, was on site in the morning exploring areas along Peel Creek with GST and Colonial personnel for potential placement of an additional underflow dam. Additional locations were identified, and Colonial has agreed to reserve the material to construct these. Additionally Colonial has estimated a 10-hour construction time for this final structure. To facilitate access, Colonial is building an access road along the entire length of Peel Creek.

No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard, OSC Tripp, and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney remains integrated with the JIC. One CIC is mobilizing to the site tomorrow. OSC Berry provided one telephone interview to the local NBC affiliate this afternoon.

The fire chief deemed the transfer of product from the pipeline to frac tanks was too high-risk, therefore operations changed to direct tanker to tanker trucks. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-load.

The Federal Aviation Administration continues to maintain an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

OSC Tripp was on-site performing an observation of all operation areas with GST most of the day.

The county sheriff's office was patrolling the site air space by helicopter to enforce the air restriction put in place by the FAA. During the night there was a drone being flown over the site by an unknown drone operator.

Two START members arrived on-scene to assist with surface water and sediment sampling operations. OSC Stilman mobilized in this morning as the Deputy IC for EPA and provided comments to the Surface water and sediment sampling plan. An additional START member is mobilizing in tonight to provide ICS support.

Work-site operations were ceased overnight due to increased VOCs, LEL, and benzene levels from 0230-0500. A temporary site-wide evacuation was ordered at 0300 due to elevated levels at the main staging area. Operations at the Stopples and the pond did not commence until 0830. Vapor scrubber units were switched out for a liquid vapor scrubber unit. Due to high LEL the Unified Command has developed a Vapor Suppression Plan and a Site Evacuation Plan. Vapor suppression foam, F-500, will be used to allow for the soil excavation around the pipeline to continue.

Recovery operations are occurring at two points 2a and 2b. Vacuum trucks from 2b are transferring recovered product to 4 frac tanks at staging 2b. There are 2 frac tanks at staging 2a where they are recovering product from recovery point 2a.

There are currently 14 frac tanks at the main staging area. Visual observations indicate gasoline thickness on pond 2 to be 1-1.5 inches at recovery point 2b, less than 0.10 inch at recovery point 2a.

Colonial is implementing a backup plan for restoration of service by constructing a bypass around the leak. The use of this will be determined by the difficulties found during the success and timing of the water displacement plan and excavation of the break. Colonial has given a tentative restoration time of late next week.

### **PLANNED RESPONSE ACTIVITIES**

Due to the ongoing response efforts and unknown timelines, the EPA OSC made a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

The EPA OSC has requested an additional START contractors to assist with Incident Command Post Operations. START and OSC Stilman will continue to monitor Colonial Pipeline's sampling and monitoring efforts.

∇ Continue to participate in UC

∇ Monitor removal activities

∇ Monitor safety air monitoring

∇ Participate in the Joint Information Center

∇ Prepare for and coordinate a transition to a removal phase

∇ Perform water sampling

∇ Finalize Surface Water and Sediment Sampling Plan

∇ Finalize Vapor Suppression Plan

√ Finalize Site Evacuation Plan

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)



**To:** Moore, Tony[moore.tony@epa.gov]  
**From:** Harper, Greg  
**Sent:** Fri 9/16/2016 11:04:00 PM  
**Subject:** Fwd: SITREP #7  
Pelham Pipeline Spill SITREP 7 09162016 DRAFT.docx  
ATT00001.htm

.....  
,,,,,  
Tony,

I have not read this yet, I have a spill notification I have to work. If you will read and edit I will send it out to everyone.

Thank you,  
Greg

Sent from my iPhone

Begin forwarded message:

**From:** "Eichinger, Kevin" <Eichinger.Kevin@epa.gov>  
**Date:** September 16, 2016 at 6:48:23 PM EDT  
**To:** "Harper, Greg" <Harper.Greg@epa.gov>  
**Subject:** SITREP #7

### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline Company (CPC) reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to CPC was made by a state mining inspector; however no volume estimate was provided at the time. CPC initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond. The spill volume has since been updated to between 6,000 barrels [bbls] and 8000 bbls (252,000 gallons – 336,000 gallons).

The local fire department responded and established a secured zone around the spill site. Local responders detected hazardous conditions due to potentially explosive vapor concentration around the spill location. Shelby County Emergency Management responded and confirmed that no public or private drinking water sources are currently threatened by the spill.

Alabama Department of Environmental Management (ADEM) and Environmental Protection Agency (EPA) have integrated into Unified Command and are coordinating with

State and County Agencies. An Incident Command Post is being operated out of Pelham, Alabama. The spill location is located in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

CPC confirmed that the impacted transmission line is shut down. Environmental contractors for CPC are on site to conduct air monitoring and remediation activities. Delays to remediate the spill routinely occur due to elevated concentrations of volatile organic compounds (VOC), specifically benzene, and explosive vapors exceeding the lower explosive limit (LEL).

EPA consulted with the Department of Interior (DOI) and the State of Alabama to identify threatened and endangered (T&E) species in the area of the spill. To EPA's knowledge, no impacts to T&E species have been reported at this time; however, field crews have noted minimal impacts to wildlife in the spill area.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, CPC, ADEM, and Shelby County. OSC Berry will demobilize on September 17, 2016. OSC Kevin Eichinger will resume EPA's position in Unified Command. OSC Garrard, OSC Tripp and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. OSC Stilman remains deployed to assist in the Environmental Unit. Kerisa Coleman, a public affairs specialist, arrived September 16, 2016 to assist in the Joint Information Center (JIC).

Current number of EPA Personnel Assigned: 6

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

Current number START Personnel: 3

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

A 6-inch pipe was observed to discharge water from Pond 3; however flow was restricted and likely due to a blockage. CPC has installed a plug in the 6-inch pipe attached to Pond 3 to help reduce the potential of petroleum impacted being released.

The elevated benzene and LEL continue to be the greatest limiting factor to recovery operations. CPC contractor, Center for Toxicology and Environmental Health, LLC (CTEH), remain on site providing air monitoring services. CTEH continues monitoring air quality in the work and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain

as previously established. Work interruptions continue due to excessive benzene and LEL readings. Today's VOC exceedance levels range from 0 – 1,351.3 (Pond 2a compressor) parts per million (ppm). The exceedances from benzene range 0.05 – 3 (release site) ppm. LEL exceedance levels range from 0% - 10% (Release site).

CPC has managed to recover approximately 286,481 gallons of fuel and 233,228 gallons of mixed oil/water to date.

CPC performed an initial mass balance calculation and determined an estimated volume of 252,000 gallons of fuel was discharged. That number has been revised to an estimated 336,000 gallons. They estimate 200,705 gallons of fuel evaporated as of 9/16/16. These numbers are approximate and CPC will perform a final mass balance after product recovery activities are complete.

Diversions designed for Pond 3 include a weir and two an underflow dam (at the Pond outfall). CPC continues to monitor Pond 3. No oil sheening has been seen along the shoreline on Pond 3. Unified Command (UC) will be notified if any petroleum is observed. OSC Garrard, along with the Gulf Strike Team (GST) and CPC personnel identified additional locations along Peel Creek for potential placement of an additional underflow dam. CPC has agreed to reserve material to construct these features. CPC has estimated a 10-hour construction time for this final structure. To facilitate access, CPC completed construction of an access road along the entire length of Peel Creek.

No adverse weather impacts are expected for the next operational period.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard, OSC Tripp, and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

Kerisa Coleman is representing EPA in the Join Information Center (JIC).

The Federal Aviation Administration (FAA) continues to maintain an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

Two START members continue to collect split surface water samples with CPC and conduct oversight of air monitoring activities. Split samples were collected from Pond 3 and confluence of Peel Creek and Cahaba River. In addition, a third START is providing ICS support.

EPA approved the vapor suppression plan and evacuation plan; therefore excavation in the area of the damaged pipe began at 15:30 this afternoon. Local firefighters used a vapor suppressant agent during excavation activities.

Product recovery operations continue in Pond 2 at two points, southwestern portion of the Pond (2a) and northeast portion of the Pond (2b). CPC primarily used drum skimmers to capture free product from Pond 2. Vacuum trucks from 2b are transferring recovered

product to 4 storage tanks at staging 2b. There are 2 storage tanks at staging 2a where they are recovering product from recovery point 2a.

There are currently 14 storage tanks at the main staging area. Visual observations indicate gasoline thickness on Pond 2 to be approximately 1-inch.

There are approximately 721 response worker onsite.

The CPC environmental consultant is responsible for identifying and documenting impacted wildlife. To date, four mammals including a rabbit, two raccoons, one fox, and one armadillo have been impacted; one reptile (turtle) has been impacted; and one white bird has been impacted. The bird is located in a restricted area and teams have not been able to get to it.

A Regional Response Team (RRT4) call was held today to update RRT4 members.

See <https://helena.colonialresponse.com/> for information on related to restoration of service.

### **PLANNED RESPONSE ACTIVITIES**

The EPA OSC has requested that START collect additional surface water samples with the Cahaba Riverkeeper. START will collect the samples during the next operational period. START and OSC Stilman will continue to monitor CPC's sampling and monitoring efforts. The following activities remain unchanged and continue during the response efforts:

- ∇ Continue to participate in UC
- ∇ Monitor removal activities
- ∇ Monitor safety air monitoring
- ∇ Participate in the Joint Information Center
- ∇ Prepare for and coordinate a transition to a removal phase
- ∇ Perform water sampling

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

U.S. Environmental Protection Agency, Region 4 | 61 Forsyth St SW | Atlanta, Georgia | 30303

Emergency Response, Removal and Prevention Branch (ERRB)

office: 404-562-8268 | cell: 678-897-3759 | [epaosc.org](http://epaosc.org)

**To:** Moore, Tony[moore.tony@epa.gov]  
**From:** Harper, Greg  
**Sent:** Fri 9/16/2016 11:33:03 PM  
**Subject:** Re: SITREP #7

.....  
>>>>>>>>  
Thsnks

Sent from my iPhone

On Sep 16, 2016, at 7:29 PM, Moore, Tony <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)> wrote:

Minor corrections made, good to go

Sent from my iPhone

On Sep 16, 2016, at 7:04 PM, Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)> wrote:

Tony,

I have not read this yet, I have a spill notification I have to work. If you will read and edit I will send it out to everyone.

Thank you,  
Greg

Sent from my iPhone

Begin forwarded message:

**From:** "Eichinger, Kevin" <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>  
**Date:** September 16, 2016 at 6:48:23 PM EDT  
**To:** "Harper, Greg" <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)>  
**Subject:** SITREP #7

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The local fire department responded and established a secured zone around the spill site. Local responders detected hazardous conditions due to potentially explosive vapor concentration around the spill location. Shelby County Emergency Management responded and confirmed that no public or private drinking water sources are currently threatened by the spill.

Alabama Department of Environmental Management (ADEM) and Environmental Protection Agency (EPA) have integrated into Unified Command and are coordinating with State and County Agencies. An Incident Command Post is being operated out of Pelham, Alabama. The spill location is located in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

CPC confirmed that the impacted transmission line is shut down. Environmental contractors for CPC are on site to conduct air monitoring and remediation activities. Delays to remediate the spill routinely occur due to elevated concentrations of volatile organic compounds (VOC), specifically benzene, and explosive vapors exceeding the lower explosive limit (LEL).

EPA consulted with the Department of Interior (DOI) and the State of Alabama to identify threatened and endangered (T&E) species in the area of the spill. To EPA's knowledge, no impacts to T&E species have been reported at this time; however, field crews have noted minimal impacts to wildlife in the spill area.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, CPC, ADEM, and Shelby County. OSC Berry will demobilize on September 17, 2016. OSC Kevin Eichinger will assume EPA's position in Unified Command. OSC Garrard, OSC Tripp and four US Coast Guard Gulf Strike Team members remain deployed to assist with field observations. OSC Stilman remains deployed to assist in the Environmental Unit. Kerisa Coleman, a Region 4 public affairs specialist, arrived September 16, 2016 to assist in the Joint Information Center (JIC).

Current number of EPA Personnel Assigned: 6

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

Current number START Personnel: 3

## **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

## **CURRENT OPERATIONS**

A 6-inch pipe was observed discharging water from Pond 3; however flow was restricted and likely due to a blockage. CPC has installed a plug in the pipe to reduce the potential of petroleum impacted water being released.

The elevated benzene and LEL continue to be the greatest limiting factor to recovery operations. CPC contractor, Center for Toxicology and Environmental Health, LLC (CTEH), remain on site providing air monitoring services. CTEH continues monitoring air quality in the work zones and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excessive benzene and LEL readings. Today's VOC exceedance levels range from 0 – 1,351.3 (Pond 2a compressor) parts per million (ppm). The exceedances from benzene range 0.05 – 3 (release site) ppm. LEL exceedance levels range from 0% - 10% (Release site).

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CPC performed an mass balance calculation and determined an estimated volume of 252,000 gallons of fuel was discharged. That number has been revised to an estimated 336,000 gallons. They estimate 200,705 gallons of fuel evaporated as of 9/16/16. These numbers are approximate and CPC will perform a final mass balance after product recovery activities are complete.

Diversions designed for Pond 3 include a weir and two underflow dams (at the Pond outfall). CPC continues to monitor Pond 3. No oil sheening has been seen along the shoreline on Pond 3. Unified Command (UC) will be notified if any petroleum is observed. OSC Garrard, along with the Gulf Strike Team (GST) and CPC personnel identified additional locations along Peel Creek for potential placement of an additional underflow dam. CPC has agreed to reserve material to construct these features. CPC has estimated a 10-hour construction time for this final structure. To facilitate access, CPC completed construction of an access road along the entire length of Peel Creek.

No adverse weather impacts are expected for the next operational period.

EPA/GST remain incorporated into Operations Section and air monitoring activities. OSC Garrard, OSC Tripp, and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members

continue to observe night operations.

Kerisa Coleman is representing EPA in the Joint Information Center (JIC).

The Federal Aviation Administration (FAA) continues to maintain an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

Two START members continue the collection of split surface water samples with CPC and conducting oversight of air monitoring activities. Split samples were collected from Pond 3 and confluence of Peel Creek and Cahaba River. In addition, a third START is providing ICS support.

EPA approved the vapor suppression plan and evacuation plan; subsequently, excavation in the area of the damaged pipe began at 1530 this afternoon. Local firefighters used a vapor suppressant agent during excavation activities.

Product recovery operations continue in Pond 2 at two points, southwestern portion of the Pond (2a) and northeast portion of the Pond (2b). CPC primarily used drum skimmers to capture free product from Pond 2. Vacuum trucks from 2b are transferring recovered product to 4 storage tanks at staging 2b. There are 2 storage tanks at staging 2a where they are recovering product from recovery point 2a.

There are currently 14 storage tanks at the main staging area. Visual observations indicate gasoline thickness on Pond 2 to be approximately 1-inch.

There are approximately 721 response worker onsite.

The CPC environmental consultant is responsible for identifying and documenting impacted wildlife. To date, four mammals including a rabbit, two raccoons, one fox, and one armadillo have been impacted; one reptile (turtle) has been impacted; and one white bird has been impacted. The bird is located in a restricted area and teams have not been able to get to it.

A Regional Response Team (RRT4) call was held today to update RRT4 members.

See <https://helena.colonialresponse.com/> for information on related to restoration of service.

### **PLANNED RESPONSE ACTIVITIES**

The EPA OSC has requested that START collect additional surface water samples with the Cahaba Riverkeeper. START will collect the samples during the next operational period. START and OSC Stilman will continue to monitor CPC's sampling and monitoring efforts. The following activities remain unchanged and

continue during the response efforts:

∇ Continue to participate in UC

∇ Monitor removal activities

∇ Monitor safety air monitoring

∇ Participate in the Joint Information Center

∇ Prepare for and coordinate a transition to a removal phase

∇ Perform water sampling

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | [epaosc.org](http://epaossc.org)



**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**Cc:** Moore, Tony[moore.tony@epa.gov]  
**From:** Harper, Greg  
**Sent:** Sat 9/17/2016 11:17:09 PM  
**Subject:** Re: Sitrep 8

.....  
Thanks

Sent from my iPhone

On Sep 17, 2016, at 7:16 PM, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

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#### **INCIDENT SUMMARY**

On September 9, 2016, at 1359 hours CDT, Colonial Pipeline Company (CPC) reported a gasoline spill from a 36" below ground pipeline to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River).

CPC initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond. The spill volume has since been updated to between 6,000 barrels [bbls] and 8000 bbls (252,000 gallons – 336,000 gallons).

Alabama Department of Environmental Management (ADEM) and Environmental Protection Agency (EPA) have integrated into Unified Command and are coordinating with State and County Agencies. An Incident Command Post is being operated out of Pelham, Alabama. The spill location is located in a remote area. The nearest residential neighborhood and commercial area is located two miles from the spill location.

#### **INCIDENT MANAGEMENT AND STAFFING**

OSC Chuck Berry integrated into Unified Command initially and demobilize on September 17, 2016. OSC Kevin Eichinger resumed EPA's position in Unified Command.

OSCs, the United States Coast Guard (USCG) Gulf Strike Team (GST) and the Superfund Technical Assessment and Response Team (START) are embed in the Operations Sections.

An OSC and START are embed in the Environmental Unit.

EPA Public Affairs Specialist and a Public Information Officer are also assigned to the Joint Information Center (JIC).

Current number of EPA Personnel Assigned: 5

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

Current number START Personnel: 3

Total number of response Personnel: 739

### **CURRENT RELEASE AND RECOVERY ESTIMATES**

Current Release Estimate – 6000 bbl to 8000 bbls

Recovery/Loss to the Environment Volumes:

<b>Fuel/Waste Recovery</b>	<b>Volume Since Last SITREP</b>	<b>Total Volume to Date</b>
Recovered from Pond #2	200 gallons	85,976 gallons
Loss to the Environment due to Evaporation	28,335 gallons	229,040 gallons
Bond in the Soil	TBD	TBD
Petroleum Contact Water		242,155 gallons

### **CURRENT OPERATIONS**

#### **1) Product Recovery and Removal**

✓ A 6-inch pipe was observed to discharge water from Pond 3; however, flow was restricted likely due to a blockage. CPC has installed a plug in the 6-inch pipe attached to Pond 3 to help reduce the potential of petroleum impacted water being released. The water level was measured before installation and 24-hours after installation of the plug. Installation of the plug caused the water level to rise approximately 1-inch.

✓ CPC continues to evaluate plugging the culvert between Pond 2 and Pond 3. They intend to send a camera in the area tomorrow to determine the best method to seal it.

✓ CPC completed the new soil staging area last night and moved the excavated pile (generated during the previous operational period) to the new location. EPA advised CPC to have a secondary storage area ready in the event additional soil is excavated.

✓ Elevated benzene and lower explosive limit (LEL) continues to hinder progress. Minimal excavation occurred overnight due to elevated LEL and benzene readings at the leak site. CPC has excavated an estimated 40 tons of soil. Local firefighters continued to use a vapor suppressant agent during excavation activities.

✓ Due to health and safety reasons, product recovery operations shut down while excavation occurs at the leak site. As excavation activities break or suspend due to elevated

LEL and benzene levels, product recovery operations resume in Pond 2. Product recovery occurs at two points, southwestern portion of the Pond (2a) and northeast portion of the Pond (2b). CPC primarily used drum skimmers to capture free product from Pond 2. Vacuum trucks from 2b are transferring recovered product to 4 storage tanks at staging 2b. There are 2 storage tanks at staging 2a where they are recovering product from recovery point 2a. Excavation activities and elevated LEL and benzene levels limited product recovery efforts today.

∇ Inclement weather caused activities to shut down for a period of time.

∇ Visual observations indicate gasoline thickness on Pond 2 to be approximately 1-inch.

## **2) Environmental Sampling and Impacts**

### **a. Air Monitoring**

∇ Work interruptions continue due to excessive benzene and LEL readings. Today's VOC's peaked at 270 parts per million (ppm) at the 2a compressor; benzene peaked at 2.4 ppm at the release site; and LEL peaked at 26% at stopple 2.

∇ Two START members continue to conduct oversight of air monitoring activities.

### **b. Surface Water**

∇ Two START members continue to collect split surface water samples with CPC. Split samples were collected from the Cahaba River in coordination with the Cahaba River Keeper and CPC's environmental consultant. START was unable to collect split samples from Pond 3 and Peel Creek due to excavation at the leak site; however, CPC's environmental consultant had a crew in the area and was able to collect samples from this area. Preliminary EPA water sample data should be received tonight.

### **c. Wildlife Impacts**

∇ The CPC environmental consultant is responsible for identifying and documenting impacted wildlife. To date, five mammals including a rabbit, two raccoons, one fox, and one armadillo have been impacted; one reptile (turtle) has been impacted; and one white bird has been impacted. The bird is located in a restricted area and teams have not been able to get to it. No additional impacted wildlife was reported during this operation period.

## **3) Health and Safety Oversight**

∇ EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard, OSC Tripp, and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

∇ The Federal Aviation Administration (FAA) continues to maintain an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

#### **4) Restoration of Services**

∇ CPC requested a waiver of the prohibition for commingling provisions are found in 40 C.F.R. § 80.78(a)(7) that prohibits any person from combining any reformulated gasoline blendstock for oxygenate blending with any other gasoline, blendstock, or oxygenate, unless certain conditions are met. The waiver request was issued on September 16, 2016 and will expire October 6, 2016.

∇ CPC continues to stage material and prepare for pushing the pig through the pipe to remove the remaining product. This process is anticipated to begin on Sunday afternoon and will be complete Monday morning.

∇ CPC continues to implement the plan to install an approximate 1,000 foot section of pipe to by-pass the leak site. This plan was developed with the input of Pipeline and Hazardous Materials Safety Agency (PHMSA). Once installed, the pipeline can resume service.

#### **5) Remediation Planning**

∇ Plans continue to be developed and will be reviewed by IC when ready.

∇ The City of Helena operates the closest drinking water well. It is located approximately 5 miles for the release site. City Helena Utilities is conducting well water sampling for the constituents found in gasoline.

#### **PLANNED RESPONSE ACTIVITIES**

Inclement weather is expected again during the next operation period which may affect planned activities. The following activities are planned during the next operation period:

∇ Continue to participate in UC

∇ Monitor removal activities

∇ START will continue to collect additional split surface water samples with the CPC environmental contractor and the Cahaba Riverkeeper

∇ START will continue to monitor CPC's air monitoring efforts

∇ Monitor safety air monitoring

∇ Participate in the Joint Information Center

- ∇ Prepare for and coordinate a transition to a removal phase
- ∇ CPC will pre-stage oil containment booms on the Cahaba River
- ∇ Install an additional underflow dam near the confluence of Peel Creek and the Cahaba River
- ∇ Pre-stage aeration equipment along Peel Creek.
- ∇ Complete pipeline bypass and restore service.
- ∇ Continue recovery of fuel from Pond 2
- ∇ Continue removal of fuel from the plugged pipeline

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

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**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | [epaosc.org](http://epaosc.org)



**To:** Moore, Tony[moore.tony@epa.gov]  
**From:** Harper, Greg  
**Sent:** Sat 9/17/2016 11:46:54 PM  
**Subject:** RE: Sitrep 8

.....  
>>>>>>>>>>

Do you want me to forward my edits or incorporate my into your's?

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**From:** Moore, Tony  
**Sent:** Saturday, September 17, 2016 7:34 PM  
**To:** Harper, Greg  
**Subject:** Re: Sitrep 8

Ignore that one

Sent from my iPhone

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Thanks

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Here's the text. We are including a map and pict so I will get you the doc shortly:

**INCIDENT SUMMARY**

On September 9, 2016, at 1359 hours CDT, Colonial Pipeline Company (CPC) reported a gasoline spill from a 36" below ground pipeline to the National Response

Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River).

CPC initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond. The spill volume has since been updated to between 6,000 barrels [bbls] and 8000 bbls (252,000 gallons – 336,000 gallons).

Alabama Department of Environmental Management (ADEM) and Environmental Protection Agency (EPA) have integrated into Unified Command and are coordinating with State and County Agencies. An Incident Command Post is being operated out of Pelham, Alabama. The spill location is located in a remote area. The nearest residential neighborhood and commercial area is located two miles from the spill location.

### **INCIDENT MANAGEMENT AND STAFFING**

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OSCs, the United States Coast Guard (USCG) Gulf Strike Team (GST) and the Superfund Technical Assessment and Response Team (START) are embed in the Operations Sections.

An OSC and START are embed in the Environmental Unit.

EPA Public Affairs Specialist and a Public Information Officer are also assigned to the Joint Information Center (JIC).

Current number of EPA Personnel Assigned: 5

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

Current number START Personnel: 3

Total number of response Personnel: 739

### **CURRENT RELEASE AND RECOVERY ESTIMATES**

Current Release Estimate – 6000 bbl to 8000 bbls

Recovery/Loss to the Environment Volumes:

<b>Fuel/Waste Recovery</b>	<b>Volume Since Last SITREP</b>	<b>Total Volume to Date</b>
Recovered from Pond #2	200 gallons	85,976 gallons
Loss to the Environment due	28,335 gallons	229,040 gallons

to Evaporation  
Bond in the Soil  
Petroleum Contact Water

TBD

TBD  
242,155 gallons

## **CURRENT OPERATIONS**

### **1) Product Recovery and Removal**

∇ A 6-inch pipe was observed to discharge water from Pond 3; however, flow was restricted likely due to a blockage. CPC has installed a plug in the 6-inch pipe attached to Pond 3 to help reduce the potential of petroleum impacted water being released. The water level was measured before installation and 24-hours after installation of the plug. Installation of the plug caused the water level to rise approximately 1-inch.

∇ CPC continues to evaluate plugging the culvert between Pond 2 and Pond 3. They intend to send a camera in the area tomorrow to determine the best method to seal it.

∇ CPC completed the new soil staging area last night and moved the excavated pile (generated during the previous operational period) to the new location. EPA advised CPC to have a secondary storage area ready in the event additional soil is excavated.

∇ Elevated benzene and lower explosive limit (LEL) continues to hinder progress. Minimal excavation occurred overnight due to elevated LEL and benzene readings at the leak site. CPC has excavated an estimated 40 tons of soil. Local firefighters continued to use a vapor suppressant agent during excavation activities.

∇ Due to health and safety reasons, product recovery operations shut down while excavation occurs at the leak site. As excavation activities break or suspend due to elevated LEL and benzene levels, product recovery operations resume in Pond 2. Product recovery occurs at two points, southwestern portion of the Pond (2a) and northeast portion of the Pond (2b). CPC primarily used drum skimmers to capture free product from Pond 2. Vacuum trucks from 2b are transferring recovered product to 4 storage tanks at staging 2b. There are 2 storage tanks at staging 2a where they are recovering product from recovery point 2a. Excavation activities and elevated LEL and benzene levels limited product recover efforts today.

∇ Inclement weather caused activities to shut down for a period of time.

∇ Visual observations indicate gasoline thickness on Pond 2 to be approximately 1-inch.

### **2) Environmental Sampling and Impacts**

#### **a. Air Monitoring**

✓ Work interruptions continue due to excessive benzene and LEL readings. Today's VOC's peaked at 270 parts per million (ppm) at the 2a compressor; benzene peaked at 2.4 ppm at the release site; and LEL peaked at 26% at stopple 2.

✓ Two START members continue to conduct oversight of air monitoring activities.

#### **b. Surface Water**

✓ Two START members continue to collect split surface water samples with CPC. Split samples were collected from the Cahaba River in coordination with the Cahaba River Keeper and CPC's environmental consultant. START was unable to collect split samples from Pond 3 and Peel Creek due to excavation at the leak site; however, CPC's environmental consultant had a crew in the area and was able to collect samples from this area. Preliminary EPA water sample data should be received tonight.

#### **c. Wildlife Impacts**

✓ The CPC environmental consultant is responsible for identifying and documenting impacted wildlife. To date, five mammals including a rabbit, two raccoons, one fox, and one armadillo have been impacted; one reptile (turtle) has been impacted; and one white bird has been impacted. The bird is located in a restricted area and teams have not been able to get to it. No additional impacted wildlife was reported during this operation period.

### **3) Health and Safety Oversight**

✓ EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard, OSC Tripp, and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

✓ The Federal Aviation Administration (FAA) continues to maintain an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

### **4) Restoration of Services**

✓ CPC requested a waiver of the prohibition for commingling provisions are found in 40 C.F.R. § 80.78(a)(7) that prohibits any person from combining any reformulated gasoline blendstock for oxygenate blending with any other gasoline, blendstock, or oxygenate, unless certain conditions are met. The waiver request was issued on September 16, 2016 and will expire October 6, 2016.

✓ CPC continues to stage material and prepare for pushing the pig through the pipe to remove the remaining product. This process is anticipated to begin on Sunday afternoon and will be complete Monday morning.

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## **5) Remediation Planning**

∇ Plans continue to be developed and will be reviewed by IC when ready.

∇ The City of Helena operates the closest drinking water well. It is located approximately 5 miles from the release site. City Helena Utilities is conducting well water sampling for the constituents found in gasoline.

## **PLANNED RESPONSE ACTIVITIES**

Inclement weather is expected again during the next operation period which may affect planned activities. The following activities are planned during the next operation period:

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∇ START will continue to monitor CPC's air monitoring efforts

∇ Monitor safety air monitoring

∇ Participate in the Joint Information Center

∇ Prepare for and coordinate a transition to a removal phase

∇ CPC will pre-stage oil containment booms on the Cahaba River

∇ Install an additional underflow dam near the confluence of Peel Creek and the Cahaba River

∇ Pre-stage aeration equipment along Peel Creek.

∇ Complete pipeline bypass and restore service.

∇ Continue recovery of fuel from Pond 2

∇ Continue removal of fuel from the plugged pipeline

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**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

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**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | [cpaosc.org](http://cpaosc.org)

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You are welcome
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61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**From:** Moore, Tony  
**Sent:** Saturday, September 17, 2016 7:34 PM  
**To:** Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)>  
**Subject:** Re: Sitrep 8

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Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

Current number START Personnel: 3

Total number of response Personnel: 739

#### **CURRENT RELEASE AND RECOVERY ESTIMATES**

Current Release Estimate – 6000 bbl to 8000 bbls

Recovery/Loss to the Environment Volumes:

<b>Fuel/Waste Recovery</b>	<b>Volume Since Last SITREP</b>	<b>Total Volume to Date</b>
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Bond in the Soil	TBD	TBD
Petroleum Contact Water		242,155 gallons

#### **CURRENT OPERATIONS**

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∇ CPC continues to evaluate plugging the culvert between Pond 2 and Pond 3.

They intend to send a camera in the area tomorrow to determine the best method to seal it.

✓ CPC completed the new soil staging area last night and moved the excavated pile (generated during the previous operational period) to the new location. EPA advised CPC to have a secondary storage area ready in the event additional soil is excavated.

✓ Elevated benzene and lower explosive limit (LEL) continues to hinder progress. Minimal excavation occurred overnight due to elevated LEL and benzene readings at the leak site. CPC has excavated an estimated 40 tons of soil. Local firefighters continued to use a vapor suppressant agent during excavation activities.

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✓ Inclement weather caused activities to shut down for a period of time.

✓ Visual observations indicate gasoline thickness on Pond 2 to be approximately 1-inch.

## **2) Environmental Sampling and Impacts**

### **a. Air Monitoring**

✓ Work interruptions continue due to excessive benzene and LEL readings. Today's VOC's peaked at 270 parts per million (ppm) at the 2a compressor; benzene peaked at 2.4 ppm at the release site; and LEL peaked at 26% at stopple 2.

✓ Two START members continue to conduct oversight of air monitoring activities.

### **b. Surface Water**

✓ Two START members continue to collect split surface water samples with

CPC. Split samples were collected from the Cahaba River in coordination with the Cahaba River Keeper and CPC's environmental consultant. START was unable to collect split samples from Pond 3 and Peel Creek due to excavation at the leak site; however, CPC's environmental consultant had a crew in the area and was able to collect samples from this area. Preliminary EPA water sample data should be received tonight.

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#### **3) Health and Safety Oversight**

∇ EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard, OSC Tripp, and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

∇ The Federal Aviation Administration (FAA) continues to maintain an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

#### **4) Restoration of Services**

∇ CPC requested a waiver of the prohibition for commingling provisions are found in 40 C.F.R. § 80.78(a)(7) that prohibits any person from combining any reformulated gasoline blendstock for oxygenate blending with any other gasoline, blendstock, or oxygenate, unless certain conditions are met. The waiver request was issued on September 16, 2016 and will expire October 6, 2016.

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∇ The City of Helena operates the closest drinking water well. It is located approximately 5 miles from the release site. City Helena Utilities is conducting well water sampling for the constituents found in gasoline.

### **PLANNED RESPONSE ACTIVITIES**

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- ∇ Monitor removal activities
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- ∇ START will continue to monitor CPC's air monitoring efforts
- ∇ Monitor safety air monitoring
- ∇ Participate in the Joint Information Center
- ∇ Prepare for and coordinate a transition to a removal phase
- ∇ CPC will pre-stage oil containment booms on the Cahaba River
- ∇ Install an additional underflow dam near the confluence of Peel Creek and the Cahaba River
- ∇ Pre-stage aeration equipment along Peel Creek.
- ∇ Complete pipeline bypass and restore service.
- ∇ Continue recovery of fuel from Pond 2
- ∇ Continue removal of fuel from the plugged pipeline

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**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

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**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | [epaosc.org](http://epaossc.org)



**To:** Moore, Tony[moore.tony@epa.gov]  
**From:** Harper, Greg  
**Sent:** Mon 9/19/2016 12:01:28 AM  
**Subject:** RE: SITREP 9

.....  
>>>>>>>>>>>>  
thanks

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**From:** Moore, Tony  
**Sent:** Sunday, September 18, 2016 8:01 PM  
**To:** Harper, Greg  
**Subject:** Re: SITREP 9

No changes

Sent from my iPhone

On Sep 18, 2016, at 7:55 PM, Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)> wrote:

Any changes? If so I will use your text.

Sent from my iPhone

On Sep 18, 2016, at 7:50 PM, Moore, Tony <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)> wrote:

Check it and send it on

Sent from my iPhone

On Sep 18, 2016, at 7:20 PM, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

# **NRC 1158584, Pelham Pipeline Spill**

## **Pelham, Shelby County, Alabama**

### **SITUATION REPORT #9**

1800 CDT, September 18, 2016

#### **INCIDENT SUMMARY**

On September 9, 2016, at 1359 hours CDT, Colonial Pipeline Company (CPC) reported a gasoline spill from a 36" below ground pipeline to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River).

CPC initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond. The spill volume has since been updated to between 6,000 barrels [bbls] and 8,000 bbls (252,000 gallons – 336,000 gallons).

Alabama Department of Environmental Management (ADEM) and Environmental Protection Agency (EPA) have integrated into Unified Command and are coordinating with State and County Agencies. An Incident Command Post is being operated out of Pelham, Alabama.

#### **INCIDENT MANAGEMENT AND STAFFING**

OSC Kevin Eichinger remains integrated into Unified Command.

OSCs, the United States Coast Guard (USCG) Gulf Strike Team (GST) and the Superfund Technical Assessment and Response Team (START) are embed in the Operations Sections.

START is embedded in the Environmental Unit.

EPA Public Affairs Specialist and a Public Information Officer are also assigned to the Joint Information Center (JIC).

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

Current number START Personnel: 3

Total number of response Personnel: 743

### **CURRENT RELEASE AND RECOVERY ESTIMATES**

Current Release Estimate – 6,000 bbl to 8,000 bbls

Recovery/Loss to the Environment Volumes:

<b>Fuel/Waste Recovery</b>	<b>Volume Since Last SITREP</b>	<b>Total Volume to Date</b>
Recovered from Pond #2	To be reported*	85,976 gallons*
Loss to the Environment due to Evaporation	28,335 gallons	257,375 gallons
Bond in the Soil	TBD	TBD
Petroleum Contact Water		242,155 gallons*
Petroleum Contaminated Soil		40 tons

Notes:

\* Product recovery activities did occur this operational period. Crews were unable to provide product recovery number before the 1600 meeting.

### **CURRENT OPERATIONS**

#### **1) Product Recovery and Removal**

✓ OSC Eichinger participated in an overflight and assessed the Cahaba River and site operations. No sheen was observed on the Cahaba.

✓ Crews continues to evaluate plugging the culvert between Pond 2 and Pond 3. OSC Garrard oversaw and provided support as they sent a camera in the area to determine the best method to seal it; however, the camera was unable to find the culvert. Unified Command will explore other methods to look for it.

✓ OSC Garrard is working with Operations to evaluate potential options for controlling source material at leak site prior to discharging to Pond 2.

✓ A fuel/water mixture continues to drain out of the leak site to Pond 2. As of this morning, the quantity has been reduced to approximately 1 quart per minute. The fuel to water ratio is estimated at 20%, respectively.

✓ Visual observations indicate gasoline on Pond 2 covers approximately one third of the pond and thickness to be approximately 1-inch, where it pooled (see photo below).

✓ Operations continued to recover product from Pond 2. Product recovery occurred at two points, the southwestern portion of the Pond (2a) and northeast portion of the Pond (2b). Skimmers capture free product from Pond 2. Vacuum trucks from 2b are transferring recovered product to four storage tanks at staging 2b. There are two storage tanks at staging 2a, to contain recovered product in that area. This evening, Boom was placed across Pond 2 to keep the pooled product in the northeast portion of the pond contained in that area.

✓ Pipeline draining activities continue at stopple 2.

✓ Excavation did not occur during this reporting period.

✓ Inclement weather caused activities to shut down for a period of time this morning.

✓ Installation of an additional underflow dam in Peel Creek, approximately 200 feet southeast of the Cahaba River is progressing. Operations anticipates completion tomorrow.

## **2) Environmental Sampling and Impacts**

### **a. Air Monitoring**

✓ Work interruptions continue due to excessive benzene and LEL readings. Today's VOC's peaked at 768 parts per million (ppm) at the 2a recovery; benzene peaked at 5.7 ppm at the 2a recovery; and LEL peaked at 8% at stopple 2.

✓ One START member continues to conduct oversight of air monitoring activities.

### **b. Surface Water**

✓ One START member continues to collect split surface water samples with CPC. START obtained split samples from Pond 3, Peel Creek, and the Cahaba River in coordination with the Cahaba River Keeper and CPC's environmental consultant.

✓ An EPA OSC and START kayaked the Cahaba River from the confluence of the with Peel Creek to approximately 2 miles down streams. Water samples were collected. No sheen was observed on the River.

✓ EPA received preliminary water sample data for September 16 and 17, 2016. Laboratory analytical results reveal the presence of site specific constituents in concentrations similar to CPC's data. The surface water sample collected at the confluence of Peel Creek and the Cahaba River on September 16, 2016 contained

total petroleum hydrocarbon (TPH) gasoline range organics (GRO) at an estimated concentration of 0.064 milligrams per kilogram (mg/kg). This detection is low and may not be related to the spill. Subsequent sampling at this location did not identify site specific constituents above the laboratory reporting limit. EPA will continue to collect surface water samples in the area and monitor for any changes.

✓ The sample collected at this location the following day did not detect any site specific constituents above the laboratory reporting limit.

#### **c. Wildlife Impacts**

✓ The CPC environmental consultant is responsible for identifying and documenting impacted wildlife. During this operation period, teams identified one dead otter, one dead duck, and three dead turtles. Federal Fish and Wildlife visited the site to identify the duck species and determined it was a hen wood duck.

✓ To date, seven mammals including a rabbit, two raccoons, one fox, one coyote, one otter, and one armadillo have been impacted; four reptiles (turtle) has been impacted; and two birds (a duck and one white bird) have been impacted. The white bird remains in a restricted area and teams have not been able collect it; however, it is assumed to be an egret.

### **3) Health and Safety Oversight**

✓ EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard, OSC Tripp, and two GST members continue to provide oversight of site safety and monitor the operations progress.

✓ Two GST members continue to observe night operations.

✓ The Federal Aviation Administration (FAA) continues to maintain an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

### **4) Restoration of Services**

✓ CPC continues to stage material and prepare for pushing the pig through the pipe to remove the remaining product. Operation is currently planned for the next operational period (tomorrow, 9/19/2016)

✓ CPC continues to implement the plan to install an approximate 1,000-foot section of pipe to by-pass the leak site. This plan was developed with the input of Pipeline and Hazardous Materials Safety Agency (PHMSA). Once installed, the pipeline can resume service.

✓ Crews continue work to excavate and level the route for the bypass line and stage pipe. CPC has reported in the media that pipeline service will be restored by September 23, 2016.

### **5) Remediation Planning**

✓ Plans continue to be developed and will be reviewed by UC when ready.

✓ CPC is working to identify livestock access and potential use of the Cahaba River for crop irrigation.

### **6) Emergency Fuel Waiver**

✓ CPC requested a waiver of the prohibition for commingling provisions [found in 40 C.F.R. § 80.78(a)(7) ] that prohibits any person from combining any reformulated gasoline blendstock for oxygenate blending with any other gasoline, blendstock, or oxygenate, unless certain conditions are met. The waiver request was issued on September 16, 2016 and will expire October 6, 2016, EPA issued an emergency fuel waiver of the reformulated gasoline (RFG) requirements in Alabama, Delaware, Georgia, Kentucky, Maryland, Mississippi, New Jersey, North Carolina, South Carolina, Tennessee, Virginia and the District of Columbia. If there is any change or addition to the waiver status it will be noted in the SITREP.

## **PLANNED RESPONSE ACTIVITIES**

Inclement weather may impact night ops but is not expected during the next operation period. The following activities are planned during the next operation period:

✓ Continue to participate in UC

✓ Monitor removal activities

✓ START will continue to collect additional split surface water samples with the CPC environmental contractor and the Cahaba River Keeper. Water samples will be collected from Pond #2.

✓ START will continue to monitor CPC's air monitoring efforts

✓ Participate in the Joint Information Center

✓ Prepare for and coordinate a transition to a removal phase

✓ CPC will pre-stage oil containment booms on the Cahaba River

∇ Continue to install the additional underflow dam near the confluence of Peel Creek and the Cahaba River

∇ Pre-stage aeration equipment along Peel Creek.

∇ Complete pipeline bypass and restore service.

∇ Continue recovery of fuel from Pond 2

∇ Continue removal of fuel from the plugged pipeline

∇ The FAA will be contacted to extend the no-fly over the site

### **SITUATIONAL REFERENCE MATERIAL**

Aerial photographic taken today. Pond #3 is on the left; Pond #2 is on the right. Fuel has been confined to the upper 1/3 of the pond.

### **Overview of EPA Surface Water Sampling Locations**

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**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4 | 61 Forsyth St SW | Atlanta, Georgia | 30303**

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | [epaosc.org](http://epaosc.org)



**To:** Harper, Greg[Harper.Greg@epa.gov]; Moore, Tony[moore.tony@epa.gov]  
**From:** Eichinger, Kevin  
**Sent:** Sat 9/17/2016 11:16:23 PM  
**Subject:** Sitrep 8

.....  
,,,,,,,,,

Here's the text. We are including a map and pict so I will get you the doc shortly:

### **INCIDENT SUMMARY**

On September 9, 2016, at 1359 hours CDT, Colonial Pipeline Company (CPC) reported a gasoline spill from a 36" below ground pipeline to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River).

CPC initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond. The spill volume has since been updated to between 6,000 barrels [bbls] and 8000 bbls (252,000 gallons – 336,000 gallons).

Alabama Department of Environmental Management (ADEM) and Environmental Protection Agency (EPA) have integrated into Unified Command and are coordinating with State and County Agencies. An Incident Command Post is being operated out of Pelham, Alabama. The spill location is located in a remote area. The nearest residential neighborhood and commercial area is located two miles from the spill location.

### **INCIDENT MANAGEMENT AND STAFFING**

OSC Chuck Berry integrated into Unified Command initially and demobilize on September 17, 2016. OSC Kevin Eichinger resumed EPA's position in Unified Command.

OSCs, the United States Coast Guard (USCG) Gulf Strike Team (GST) and the Superfund Technical Assessment and Response Team (START) are embed in the Operations Sections.

An OSC and START are embed in the Environmental Unit.

EPA Public Affairs Specialist and a Public Information Officer are also assigned to the Joint Information Center (JIC).

Current number of EPA Personnel Assigned: 5

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

Current number START Personnel: 3

Total number of response Personnel: 739

### **CURRENT RELEASE AND RECOVERY ESTIMATES**

Current Release Estimate – 6000 bbl to 8000 bbls

Recovery/Loss to the Environment Volumes:

<b>Fuel/Waste Recovery</b>	<b>Volume Since Last SITREP</b>	<b>Total Volume to Date</b>
Recovered from Pond #2	200 gallons	85,976 gallons
Loss to the Environment due to Evaporation	28,335 gallons	229,040 gallons
Bond in the Soil	TBD	TBD
Petroleum Contact Water		242,155 gallons

## **CURRENT OPERATIONS**

### **1) Product Recovery and Removal**

∇ A 6-inch pipe was observed to discharge water from Pond 3; however, flow was restricted likely due to a blockage. CPC has installed a plug in the 6-inch pipe attached to Pond 3 to help reduce the potential of petroleum impacted water being released. The water level was measured before installation and 24-hours after installation of the plug. Installation of the plug caused the water level to rise approximately 1-inch.

∇ CPC continues to evaluate plugging the culvert between Pond 2 and Pond 3. They intend to send a camera in the area tomorrow to determine the best method to seal it.

∇ CPC completed the new soil staging area last night and moved the excavated pile (generated during the previous operational period) to the new location. EPA advised CPC to have a secondary storage area ready in the event additional soil is excavated.

∇ Elevated benzene and lower explosive limit (LEL) continues to hinder progress. Minimal excavation occurred overnight due to elevated LEL and benzene readings at the leak site. CPC has excavated an estimated 40 tons of soil. Local firefighters continued to use a vapor suppressant agent during excavation activities.

∇ Due to health and safety reasons, product recovery operations shut down while excavation occurs at the leak site. As excavation activities break or suspend due to elevated LEL and benzene levels, product recovery operations resume in Pond 2. Product recovery occurs at two points, southwestern portion of the Pond (2a) and northeast portion of the Pond (2b). CPC primarily used drum skimmers to capture free product from Pond 2. Vacuum trucks from 2b are transferring recovered product to 4 storage tanks at staging 2b. There are 2 storage tanks at staging 2a where they are recovering product from recovery point 2a. Excavation activities and elevated LEL and benzene levels limited product recover efforts today.

∇ Inclement weather caused activities to shut down for a period of time.

✓ Visual observations indicate gasoline thickness on Pond 2 to be approximately 1-inch.

## **2) Environmental Sampling and Impacts**

### **a. Air Monitoring**

✓ Work interruptions continue due to excessive benzene and LEL readings. Today's VOC's peaked at 270 parts per million (ppm) at the 2a compressor; benzene peaked at 2.4 ppm at the release site; and LEL peaked at 26% at stopple 2.

✓ Two START members continue to conduct oversight of air monitoring activities.

### **b. Surface Water**

✓ Two START members continue to collect split surface water samples with CPC. Split samples were collected from the Cahaba River in coordination with the Cahaba River Keeper and CPC's environmental consultant. START was unable to collect split samples from Pond 3 and Peel Creek due to excavation at the leak site; however, CPC's environmental consultant had a crew in the area and was able to collect samples from this area. Preliminary EPA water sample data should be received tonight.

### **c. Wildlife Impacts**

✓ The CPC environmental consultant is responsible for identifying and documenting impacted wildlife. To date, five mammals including a rabbit, two raccoons, one fox, and one armadillo have been impacted; one reptile (turtle) has been impacted; and one white bird has been impacted. The bird is located in a restricted area and teams have not been able to get to it. No additional impacted wildlife was reported during this operation period.

## **3) Health and Safety Oversight**

✓ EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard, OSC Tripp, and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

✓ The Federal Aviation Administration (FAA) continues to maintain an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

## **4) Restoration of Services**

✓ CPC requested a waiver of the prohibition for commingling provisions are found in 40 C.F.R. § 80.78(a)(7) that prohibits any person from combining any reformulated gasoline blendstock for oxygenate blending with any other gasoline, blendstock, or oxygenate, unless certain conditions are met. The waiver request was issued on September 16, 2016 and will expire October 6, 2016.

∇ CPC continues to stage material and prepare for pushing the pig through the pipe to remove the remaining product. This process is anticipated to begin on Sunday afternoon and will be complete Monday morning.

∇ CPC continues to implement the plan to install an approximate 1,000 foot section of pipe to bypass the leak site. This plan was developed with the input of Pipeline and Hazardous Materials Safety Agency (PHMSA). Once installed, the pipeline can resume service.

## **5) Remediation Planning**

∇ Plans continue to be developed and will be reviewed by IC when ready.

∇ The City of Helena operates the closest drinking water well. It is located approximately 5 miles from the release site. City Helena Utilities is conducting well water sampling for the constituents found in gasoline.

## **PLANNED RESPONSE ACTIVITIES**

Inclement weather is expected again during the next operation period which may affect planned activities. The following activities are planned during the next operation period:

∇ Continue to participate in UC

∇ Monitor removal activities

∇ START will continue to collect additional split surface water samples with the CPC environmental contractor and the Cahaba Riverkeeper

∇ START will continue to monitor CPC's air monitoring efforts

∇ Monitor safety air monitoring

∇ Participate in the Joint Information Center

∇ Prepare for and coordinate a transition to a removal phase

∇ CPC will pre-stage oil containment booms on the Cahaba River

∇ Install an additional underflow dam near the confluence of Peel Creek and the Cahaba River

∇ Pre-stage aeration equipment along Peel Creek.

∇ Complete pipeline bypass and restore service.

∇ Continue recovery of fuel from Pond 2

✓ Continue removal of fuel from the plugged pipeline

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | [epaosc.org](http://epaossc.org)



**To:** Webster, James[Webster.James@epa.gov]  
**Cc:** Berry, Chuck[Berry.Chuck@epa.gov]; Moore, Tony[moore.tony@epa.gov]  
**From:** Stilman, Terry  
**Sent:** Fri 9/16/2016 5:30:54 PM  
**Subject:** FW: Waiver of Certain Reformulated Gasoline Regulations

...  
Jim,

As we discussed.

Terry.

**From:** Coleman, Shannon P. [mailto:spcoleman@colpipe.com]  
**Sent:** Friday, September 16, 2016 1:24 PM  
**To:** Stilman, Terry  
**Cc:** Lohoff, Drew ; Harris, Erin ; Seagraves, Preston T  
**Subject:** Waiver of Certain Reformulated Gasoline Regulations

Terry,

Colonial is requesting a waiver of 40 CFR § 80.78(a)(7), which will allow us to comingle RBOB and CBOB prior to the addition of ethanol. As well as a waiver pursuant to CAA § 211(c)(4)(C)(ii)(I), 42 U.S.C. § 7545(c)(4)(C)(ii)(I) to allow conventional gasoline to be sold in Designated RFG Covered Areas. This waiver would need to encompass RBOB and CBOB moved on Colonial Pipeline and Plantation Pipeline. Colonial anticipates needing this waiver for two to four weeks.

I believe my colleague in quality assurance has also reached out to a contact at EPA (Jeff Herzog), so we may be coming at this from both directions. Our apologies.

My contact information is shown below. Please feel free to call or e-mail with any additional questions or concerns.

Regards,

Shannon

Shannon P. Coleman

Colonial Pipeline Company

1185 Sanctuary Pkway, Suite 100

Alpharetta, GA 30009

Direct: 678-762-2523

Mobile:

(b)(6)

**To:** Kemker, Carol[Kemker.Carol@epa.gov]; Fite, Mark[Fite.Mark@epa.gov]  
**Cc:** Hill, Franklin[Hill.Franklin@epa.gov]; Moore, Tony[moore.tony@epa.gov]; Chaffins, Randall[Chaffins.Randall@epa.gov]  
**From:** Webster, James  
**Sent:** Wed 9/14/2016 12:50:18 AM  
**Subject:** FW: SITREP #4 - Pelham Pipeline Release  
Pelham Pipeline Spill SITREP 4 09132016 (02).pdf

Carol,

This is a big spill – close to 250,000 gallons based on current estimates. Actually, the pipeline is still leaking fuel, though at a slower rate. Tony can reach out to the OSC for an estimate of repair time, but we are still in an ER mode out there.

jim

**From:** Harper, Greg  
**Sent:** Tuesday, September 13, 2016 8:30 PM  
**To:** Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** RE: SITREP #4 - Pelham Pipeline Release



**NRC 1158584, Pelham Pipeline Spill**  
**Pelham, Shelby County, Alabama**  
**SITUATION REPORT #4**

1800 CDT, September 13, 2016

## **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

## **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Williamson, and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

OSC Garrard was mobilized to the site to overlap with OSC Williamson tomorrow, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

## **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

## **CURRENT OPERATIONS**

The pipeline continues to drain into Pond 2 at a rate of approximately 3 gallons per minute. Colonial has installed both stopples, one currently set and the other is tapping through the pipeline emplacing the plug. The fuel will be vacuumed from the line and into trucks for shipment to the Colonial Pelham terminal.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 489 parts per million (ppm). The highest benzene level recorded was 4.8 ppm. LEL levels remain in the 100% range.

Colonial continues to increase its footprint at the site, building new roads to ease traffic congestion and allow for larger vehicles to access closer locations. A vapor recovery scrubber has been mobilized to the site to aid with vapor emissions. A decontamination pad for trucks has been constructed to decontaminate fuel-contaminated equipment.

Colonial has managed to remove approximately 107,304 gallons of liquid from Pond 2. Of that volume 18,928 gallons of fuel has been recovered and 88,376 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 115,700 gallons of fuel evaporated. 101,291 gallons of fuel is estimated to remain in the pond. These numbers are approximate and will likely change significantly over time.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. Significant rainfall may be received on site depending on the actions of a new tropical storm system forming in the Gulf of Mexico.

EPA/GST remains incorporated into Operations and air monitoring. OSC Williamson and two GST members continue on site safety and progress monitoring. Two GST members continue to observe night operations. OSC Williamson briefly met with the Vice President of Colonial during a VIP visit to the work site.

#### **PLANNED RESPONSE ACTIVITIES**

- ☐ ☐ ☐ ☐ ☐ ☐ ☐ Continue to participate in UC
- ☐ ☐ ☐ ☐ ☐ ☐ ☐ Monitor removal activities
- ☐ ☐ ☐ ☐ ☐ ☐ ☐ Monitor safety air monitoring
- ☐ ☐ ☐ ☐ ☐ ☐ ☐ Prepare for and coordinate a transition to a removal phase.



## **NRC 1158584, Pelham Pipeline Spill Pelham, Shelby County, Alabama SITUATION REPORT #4 1800 CDT, September 13, 2016**

### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons)— See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Williamson, and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

OSC Garrard was mobilized to the site to overlap with OSC Williamson tomorrow, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

The pipeline continues to drain into Pond 2 at a rate of approximately 3 gallons per minute. Colonial has installed both stopples, one currently set and the other is tapping through the pipeline emplacing the plug. The fuel will be vacuumed from the line and into trucks for shipment to the Colonial Pelham terminal.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 489 parts per million (ppm). The highest benzene level recorded was 4.8 ppm. LEL levels remain in the 100% range.

Colonial continues to increase its footprint at the site, building new roads to ease traffic congestion and allow for larger vehicles to access closer locations. A vapor recovery scrubber has been mobilized to the site to aid with vapor emissions. A decontamination pad for trucks has been constructed to decontaminate fuel-contaminated equipment.

Colonial has managed to remove approximately 107,304 gallons of liquid from Pond 2. Of that volume 18,928 gallons of fuel has been recovered and 88,376 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 115,700 gallons of fuel evaporated. 101,291 gallons of fuel is estimated to remain in the pond. These numbers are approximate and will likely change significantly over time.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. Significant rainfall may be received on site depending on the actions of a new tropical storm system forming in the Gulf of Mexico.

EPA/GST remains incorporated into Operations and air monitoring. OSC Williamson and two GST members continue on site safety and progress monitoring. Two GST members continue to observe night operations. OSC Williamson briefly met with the Vice President of Colonial during a VIP visit to the work site.

### **PLANNED RESPONSE ACTIVITIES**

- ☐ Continue to participate in UC
- ☐ Monitor removal activities
- ☐ Monitor safety air monitoring
- ☐ Prepare for and coordinate a transition to a removal phase.

**To:** Webster, James[Webster.James@epa.gov]  
**Cc:** Fite, Mark[Fite.Mark@epa.gov]; Hill, Franklin[Hill.Franklin@epa.gov]; Moore, Tony[moore.tony@epa.gov]; Chaffins, Randall[Chaffins.Randall@epa.gov]  
**From:** Kemker, Carol  
**Sent:** Wed 9/14/2016 1:45:32 AM  
**Subject:** Re: SITREP #4 - Pelham Pipeline Release

Thanks for the update.

Sent from my iPhone

On Sep 13, 2016, at 8:50 PM, Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

Carol,

This is a big spill – close to 250,000 gallons based on current estimates. Actually, the pipeline is still leaking fuel, though at a slower rate. Tony can reach out to the OSC for an estimate of repair time, but we are still in an ER mode out there.

jim

**From:** Harper, Greg  
**Sent:** Tuesday, September 13, 2016 8:30 PM  
**To:** Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)>  
**Subject:** RE: SITREP #4 - Pelham Pipeline Release

<image003.jpg>

## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #4**

1800 CDT, September 13, 2016

## **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

## **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Williamson, and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

OSC Garrard was mobilized to the site to overlap with OSC Williamson tomorrow, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

The pipeline continues to drain into Pond 2 at a rate of approximately 3 gallons per minute. Colonial has installed both stopples, one currently set and the other is tapping through the pipeline emplacing the plug. The fuel will be vacuumed from the line and into trucks for shipment to the Colonial Pelham terminal.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 489 parts per million (ppm). The highest benzene level recorded was 4.8 ppm. LEL levels remain in the 100% range.

Colonial continues to increase its footprint at the site, building new roads to ease traffic congestion and allow for larger vehicles to access closer locations. A vapor recovery scrubber has been mobilized to the site to aid with vapor emissions. A decontamination pad for trucks has been constructed to decontaminate fuel-contaminated equipment.

Colonial has managed to remove approximately 107,304 gallons of liquid from Pond 2. Of that volume 18,928 gallons of fuel has been recovered and 88,376 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 115,700 gallons of fuel evaporated. 101,291 gallons of fuel is estimated to remain in the pond. These numbers are approximate and will likely change significantly over time.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. Significant rainfall may be received on site depending on the actions of a new tropical storm system forming in the Gulf of Mexico.

EPA/GST remains incorporated into Operations and air monitoring. OSC Williamson and two GST members continue on site safety and progress monitoring. Two GST members continue to observe night operations. OSC Williamson briefly met with the Vice President of Colonial during a VIP visit to the work site.

#### **PLANNED RESPONSE ACTIVITIES**

- ☐ ☐ ☐ ☐ ☐ ☐ ☐ Continue to participate in UC
- ☐ ☐ ☐ ☐ ☐ ☐ ☐ Monitor removal activities
- ☐ ☐ ☐ ☐ ☐ ☐ ☐ Monitor safety air monitoring
- ☐ ☐ ☐ ☐ ☐ ☐ ☐ Prepare for and coordinate a transition to a removal phase.

<Pelham\_Pipeline\_Spill\_SITREP\_4\_09132016 (02).pdf>



**To:** Moore, Tony[moore.tony@epa.gov]  
**From:** Harper, Greg  
**Sent:** Thur 9/15/2016 12:37:26 AM  
**Subject:** Re: SITREP #5 - Pelham Pipeline Spill

Thanks

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street, S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

harper.greg@epa.gov

Sent from my iPhone

On Sep 14, 2016, at 8:37 PM, Moore, Tony <moore.tony@epa.gov> wrote:

Can you cut and paste this in the email

Sent from my iPhone

On Sep 14, 2016, at 8:25 PM, Harper, Greg <Harper.Greg@epa.gov> wrote:

Tony,

Please find the attached SITREP #5 from the Pelham Pipeline Spill.

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

<Pelham\_Pipeline\_Spill\_SITREP\_5\_09142016.docx>

**To:** Moore, Tony[moore.tony@epa.gov]  
**From:** Harper, Greg  
**Sent:** Thur 9/15/2016 12:38:54 AM  
**Subject:** RE: SITREP #5 - Pelham Pipeline Spill

Tony can you resend the document?

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**From:** Moore, Tony  
**Sent:** Wednesday, September 14, 2016 8:37 PM  
**To:** Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** Re: SITREP #5 - Pelham Pipeline Spill

Can you cut and paste this in the email

Sent from my iPhone

On Sep 14, 2016, at 8:25 PM, Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)> wrote:

Tony,

Please find the attached SITREP #5 from the Pelham Pipeline Spill.

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

<Pelham\_Pipeline\_Spill\_SITREP\_5\_09142016.docx>

**To:** Moore, Tony[moore.tony@epa.gov]  
**From:** Harper, Greg  
**Sent:** Thur 9/15/2016 12:46:05 AM  
**Subject:** RE: SITREP #5 - Pelham Pipeline Spill

Got it thanks

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**From:** Moore, Tony  
**Sent:** Wednesday, September 14, 2016 8:45 PM  
**To:** Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** Fwd: SITREP #5 - Pelham Pipeline Spill

Sent from my iPhone

Begin forwarded message:

**From:** "Harper, Greg" <Harper.Greg@epa.gov>  
**Date:** September 14, 2016 at 8:25:09 PM EDT  
**To:** "Moore, Tony" <moore.tony@epa.gov>  
**Cc:** "Berry, Chuck" <Berry.Chuck@epa.gov>, "Tripp, Christopher" <tripp.christopher@epa.gov>  
**Subject:** SITREP #5 - Pelham Pipeline Spill

Tony,

Please find the attached SITREP #5 from the Pelham Pipeline Spill.

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**To:** william.deas@HQ.DHS.GOV[william.deas@HQ.DHS.GOV];  
michael.k.sams@uscg.mil[michael.k.sams@uscg.mil]  
**Cc:** Webster, James[Webster.James@epa.gov]; Moore, Tony[moore.tony@epa.gov]; Andrew,  
Gary[Andrew.Gary@epa.gov]  
**From:** Harper, Greg  
**Sent:** Thur 9/15/2016 12:47:34 PM  
**Subject:** FW: SITREP #5 - Pelham Pipeline Spill  
[Pelham Pipeline Spill SITREP 5 09142016.pdf](#)  
[Pelham Pipeline Spill SITREP 1 final 09102016.pdf](#)  
[Pelham Pipeline Spill SITREP 2 final 09112016.pdf](#)  
[Pelham Pipeline Spill SITREP 3 09122016.pdf](#)  
[Pelham Pipeline Spill SITREP 4 09132016 \(02\).pdf](#)

Mr. Deas and Mr. Sams,

It has been requested to send you all the past SITREPs for the Pelham Pipeline Spill and include you in all the future SITREPs. If you have any questions please let me know.

Thank you,

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response Removal and Preparedness Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**From:** Harper, Greg  
**Sent:** Wednesday, September 14, 2016 8:51 PM  
**Cc:** Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** SITREP #5 - Pelham Pipeline Spill



## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #5**

1800 CDT, September 14, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources

threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

## **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

OSC Garrard was mobilized to the site to overlap with OSC Williamson today, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader. OSC Williamson demobilized during this operational period.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

## **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increase the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 41% range.

Colonial has managed to remove approximately 178,217 gallons of liquid from Pond 2. Of that volume 48,125 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney arrived at Incident Command Center and integrated into JIC. The JIC set up two

interviews with all members of UC, including OSC Berry. The Birmingham, AL news outlets were WBRC and AL.com. Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.

The fire chief deemed the transfer of product from the pipeline to frac tanks was to high risk, therefore operations changed to direct tanker to tanker trucks. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-load.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. 9 sampling locations have been established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the other 7 were below detection limits.

### PLANNED RESPONSE ACTIVITIES

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

Because UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. EPA OSC has requested two START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts.

- [illegible]





**NRC 1158584, Pelham Pipeline Spill,  
Pelham, Shelby County, Alabama**  
SITUATION REPORT #1  
1800, September 10, 2016

**INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into the Peel Creek which is a tributary of the Cahaba River. The exact amount of the release was unknown; however, Colonial Pipeline initially estimated that between 1000 and 2000 gallons of gasoline entered the pond (the spill volume has been updated to 100,000 gallons in the pond – See "Current Operations" for more information). The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location.

Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post has been established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location.

At this time, site topography is preventing the gasoline from entering Peel Creek. The pond appears to be a former borrow pit, and only overflows after substantial rain. While this makes containment much easier, it also serves to concentrate the explosive and toxic vapors. Initial response efforts are focusing on responder health and safety and installing controls to prevent downstream migration if a sufficient rain event were to occur.

Colonial Pipeline has confirmed that the impacted transmission line has been shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline. There is an increased risk of rain for Sunday and Monday September 11<sup>th</sup> and 12<sup>th</sup>.

Threatened and endangered species in the area of the spill have been identified and communicated to Unified Command.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

## **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and has integrated into Unified Command. A Natural Resources Trustee consult was held with the Region 4 Department of Interior Representative. OSC Englert and OSC Williamson have been deployed to assist within Unified Command as have 4 US Coast Guard Gulf Strike Team members. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

Current number of EPA Personnel Assigned: 3

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

## **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 EDT daily.

## **CURRENT OPERATIONS**

- ☐ Site access remains the largest obstacle to remediation. Not only from the poor roads and remote location, but the inability of personnel to approach the pond due to high explosive atmosphere readings and toxic vapors. Despite the use of respiratory protection, the potential for a catastrophic fire limits response efforts.
- ☐ Initial volume estimates were not based on information from the pipeline system: the system noted no pressure loss. The last time the property owners observed the impacted pond was 2 weeks ago, which means that a slow leak may have been present for a long period of time resulting in little to no appreciable volume loss in any instantaneous measurement.
- ☐ The initial volume reported was based solely on visual estimates of first responders' impressions of the pond visually. Colonial made an estimated volume update on September 9th based on better information from the field. However, this was still unsupported by hard data. Response crews completed a complicated Level B entry first thing this morning to physically measure the thickness of the product on the pond. The total thickness on the pond is currently estimated to be 3.25 inches.
- ☐ Colonial has managed to briefly operate a pump and removed an estimated 16,000 gallons of liquid from the pond. However, if the pond is estimated to conservatively be 3 feet deep, there is over a million gallons of liquid in the pond. Colonial is currently devising plans to deal with this volume on site. Temporary storage tanks have been mobilized to the site, but their capacity is currently about 250,000 gallons. Colonial has off-site storage available also, but transportation out of the remote area will complicate and delay these efforts.
- ☐ Colonial's pumping is currently on hold as benzene levels and LEL readings have risen too high around the vacuum truck to safely operate the equipment.
- ☐ EPA/GST is currently incorporating into Operations and air monitoring. If removal operations start back up overnight, EPA will monitor the safety and air monitoring activities.

#### **PLANNED RESPONSE ACTIVITIES**

- ☐ Continue to participate in UC
- ☐ Monitor removal activities
- ☐ Monitor safety air monitoring
- ☐ Review and monitor the contingency booms and diversion activities in preparation for future rain events. It should be noted that, based on the best available information now (which is limited due to terrain, vapors, and thick forest) there is little expectation for overtopping of the pond due to the small amounts of rain expected, based on NWS predictions.





## **NRC 1158584, Pelham Pipeline Spill Pelham, Shelby County, Alabama**

1800, September 11, 2016

### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond (Pond 2 on the attached Figure) that feeds into Peel Creek which is a tributary of the Cahaba River. The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1000 and 2000 gallons of gasoline entered the pond (the spill volume has been updated to 100,000 gallons in the pond – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline. There is an increased risk of rain for Sunday and Monday September 11<sup>th</sup> and 12<sup>th</sup>.

Threatened and endangered species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and has integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Englert, OSC Williamson, and 4 US Coast Guard Gulf Strike Team members have been deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

Current number of EPA Personnel Assigned: 3

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

## **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 EDT daily.

## **CURRENT OPERATIONS**

While the pipeline pumps are shut off, the pipeline continues to drain into Pond 2. The flow rate has lessened over the last day, but visually appears to be approximately 3 gallons per minute. Colonial continues to excavate the pipe and install stopples to block the flow, but hard rock has delayed this process. Colonial currently estimates the pipe to be blocked and evacuated Tuesday. There is no update to the discharge volume.

The high level of explosive vapors is the greatest limiting factor to recovery operations. Colonial contractor CTEH is on site providing air monitoring services. They have set up an air monitoring network and are also providing roving and escort services for personnel working inside the hot zone. Lower Explosive Level (LEL) readings as high as 99% have been observed for short periods of time. Volatile Organic Compounds (VOC) levels remain high near the pond, with the highest observed level coming from a remote monitor at 2,999 parts per million (ppm). Benzene is also being monitored for, with a highest reading of 366.7 ppm. All personnel entering the hot zone are required to have flame resistant clothing and an air monitoring escort. Action levels for benzene, VOCs and explosive vapors have been set. Work is frequently stopped due to excess benzene and LEL readings, slowing recovery.

See the map below for the layout of the emergency response site

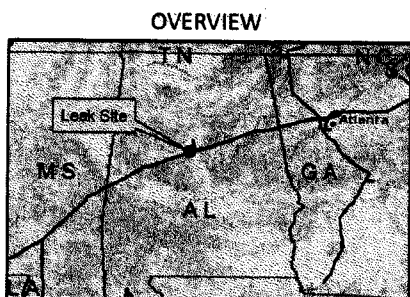
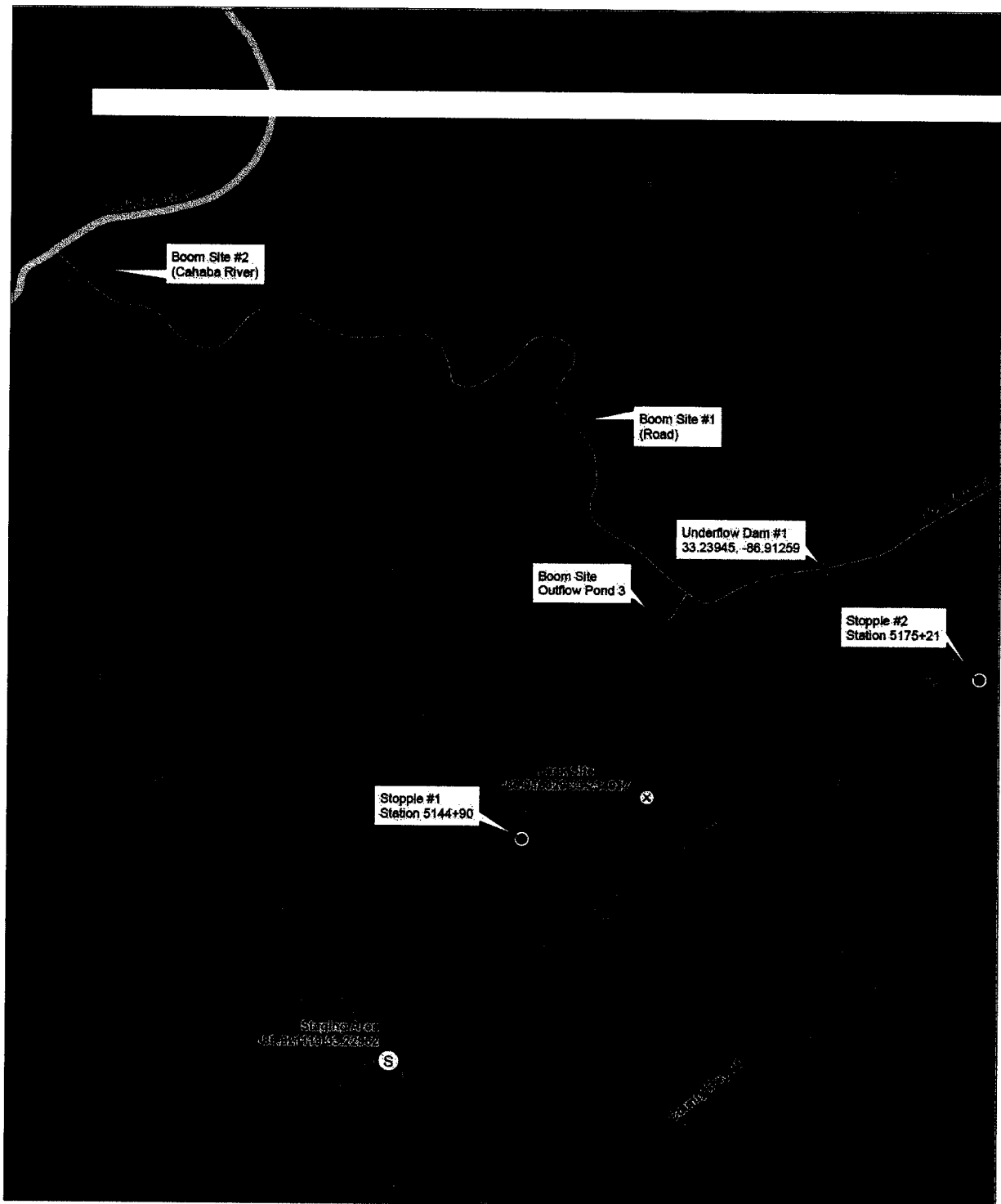
Colonial has removed 18260 gallons of liquid from Pond 2. The initial tactic of pumping directly into vacuum trucks is being transitioned to pumping into portable tanks first, with vacuum trucks hauling the material to other portable tanks at the staging area. Currently, Colonial has been unable to pump due to elevated vapor levels; no product removal has occurred for the last 30 hours. There is no exact figure for the total volume of liquid in Pond 2, but the pond is 1.2 acres in size. Conservative estimates put the total volume approximately 1,000,000 gallons of petroleum contaminated water (3 feet deep).

Sheen was reported yesterday on Pond 3. UC decided to augment the existing protection, building an underflow dam and emplacing additional boom at the outfall. Subsequent investigation of the sheen showed it was biological in nature. However, it is assumed there is some hydraulic connectivity between the two ponds. Colonial is investigating additional diversion/collection structures further along the currently-dry Peel creek bed prior to its confluence with the Cahaba.

EPA/GST is incorporated into Operations and air monitoring. OSC Williamson and 2 GST members spent today on site monitoring safety and progress. EPA/GST assisted Colonial with installation and planning of the Pond 3 augmentation and will continue to coordinate those efforts. OSC Englert is assuming Deputy Incident Commander role for EPA during the overnight shift, but will maintain a field presence. Two GST members will also assist with the overnight shift.

## **PLANNED RESPONSE ACTIVITIES**

- ☐ Continue to participate in UC
- ☐ Monitor removal activities
- ☐ Monitor safety air monitoring
- ☐ Review and monitor the contingency booms and diversion activities in preparation for future rain events. It should be noted that, based on the best available information now (which is limited due to terrain, vapors, and thick forest) there is little expectation for overtopping of the pond due to the small amounts of rain expected, based on NWS predictions.

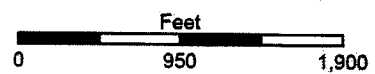


### Legend

- Colonial Pipeline
- Ⓢ Staging Area
- ⊗ Leak Site
- ⊙ Stopple
- Boom Type**
- Hard Boom
- Soft Boom
- Underflow Dam
- ▨ Spill Plume

CR 91 Event

Situation Status Map



9/11/2016 @ 08:50





## **NRC 1158584, Pelham Pipeline Spill Pelham, Shelby County, Alabama SITUATION REPORT #3**

1800, September 12, 2016

### **INCIDENT DESCRIPTION**

On September 9, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond (Pond 2 on the attached Figure) that feeds into Peel Creek, a tributary of the Cahaba River. The initial report to Colonial was made by the property owner but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1000 and 2000 gallons of gasoline entered the pond (the spill volume has been updated to 100,000 gallons in the pond— See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the affected transmission line has been shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline. Weather reports indicate that there is an increased risk of rain for Sunday and Monday, September 11<sup>th</sup> and 12<sup>th</sup>.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and has integrated into Unified Command. The Unified Command structure includes the EPA, Colonial, ADEM, and Shelby County EMA. OSC Williamson, and four US Coast Guard Gulf Strike Team members have been deployed to assist with field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

Due to limited overnight operations, OSC Englert demobilized today.

Current number of EPA Personnel Assigned: 2

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 EDT daily.

### **CURRENT OPERATIONS**

Although the pipeline pumps are shut off, the pipeline continues to drain into Pond 2. The flow rate has decreased over the last day, but visually appears to be approximately three gallons per minute. Colonial has installed one of the stopples and is currently installing the second. Once the stopples are installed, the fuel will be vacuumed from the line and into trucks for shipment to the Colonial Pelham terminal. Evacuation of the pipeline will be followed by a nitrogen purge to remove all fuel from the line.

The high level of explosive vapors is the greatest limiting factor to recovery operations. Colonial contractor CTEH is on site providing air monitoring services. They have set up an AreaRAE network and are providing roving and escort services for response personnel working inside the hot zone. All personnel entering the hot zone are required to have flame resistant clothing and an air monitoring escort. Action levels for benzene, VOCs and explosive vapors have been established. The work is frequently stopped due to excessive benzene and LEL readings thus slowing recovery operations. Today's highest VOC level is roughly half of yesterday's, peaking at 1,564 ppm. The highest LEL levels also dropped to 95%. Benzene levels peaked at only 8 ppm thus allowing for more recovery work today.

Colonial has managed to remove approximately 40,000 gallons of liquid from Pond 2. Of that volume 5,500 gallons of oil have been separated and 34,500 gallons of mixed oil/water remain. Colonial established a new pumping area on the north end of the pond where vapor levels were lower. Vacuum trucks continue to pump from this location. Colonial is currently planning on placing "frac" tanks in a new location to the north to cut down on transit/circuit time for those trucks needing to off-load and return.

The diversions designed for Pond 3 are in place, which include a substantial underflow dam at the ponds outfall. No oil sheening is visible along the shoreline at Pond 3. Colonial continues to monitor the pond and will notify UC if any petroleum is noted.

EPA/GST is incorporated into Operations and air monitoring. OSC Englert and two GST members observed site operations overnight. Colonial has increased its Safety Personnel and air monitoring staffing levels based on input from EPA field personnel. OSC Williamson and two GST members spent the day on site monitoring safety and response progress. EPA/GST assisted Colonial with planning and installation of the Pond 3 augmentation and will continue to coordinate those efforts. Two GST members will man the overnight shift as FOSCRs.

OSC Berry has reviewed several plans developed by the Planning Section, including an Impacted Wildlife Management and Waste Management plan. There were several revisions needed in the Waste Management Plan. Approval is expected tomorrow.

### **PLANNED RESPONSE ACTIVITIES**

- ☐ Continue to participate in UC
- ☐ Monitor removal activities
- ☐ Monitor safety air monitoring
- ☐ Prepare for and coordinate a transition to a removal phase



## **NRC 1158584, Pelham Pipeline Spill Pelham, Shelby County, Alabama SITUATION REPORT #4**

1800 CDT, September 13, 2016

### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons)— See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Williamson, and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

OSC Garrard was mobilized to the site to overlap with OSC Williamson tomorrow, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

The pipeline continues to drain into Pond 2 at a rate of approximately 3 gallons per minute. Colonial has installed both stopples, one currently set and the other is tapping through the pipeline emplacing the plug. The fuel will be vacuumed from the line and into trucks for shipment to the Colonial Pelham terminal.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 489 parts per million (ppm). The highest benzene level recorded was 4.8 ppm. LEL levels remain in the 100% range.

Colonial continues to increase its footprint at the site, building new roads to ease traffic congestion and allow for larger vehicles to access closer locations. A vapor recovery scrubber has been mobilized to the site to aid with vapor emissions. A decontamination pad for trucks has been constructed to decontaminate fuel-contaminated equipment.

Colonial has managed to remove approximately 107,304 gallons of liquid from Pond 2. Of that volume 18,928 gallons of fuel has been recovered and 88,376 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 115,700 gallons of fuel evaporated. 101,291 gallons of fuel is estimated to remain in the pond. These numbers are approximate and will likely change significantly over time.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. Significant rainfall may be received on site depending on the actions of a new tropical storm system forming in the Gulf of Mexico.

EPA/GST remains incorporated into Operations and air monitoring. OSC Williamson and two GST members continue on site safety and progress monitoring. Two GST members continue to observe night operations. OSC Williamson briefly met with the Vice President of Colonial during a VIP visit to the work site.

### **PLANNED RESPONSE ACTIVITIES**

- ☐ Continue to participate in UC
- ☐ Monitor removal activities
- ☐ Monitor safety air monitoring
- ☐ Prepare for and coordinate a transition to a removal phase.



## **NRC 1158584, Pelham Pipeline Spill Pelham, Shelby County, Alabama SITUATION REPORT #5**

1800 CDT, September 14, 2016

### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 35,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command which includes EPA, Colonial, ADEM, and Shelby County OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist with field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

OSC Garrard was mobilized to the site to overlap with OSC Williamson today, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader. OSC Williamson demobilized during this operational period.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increases the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 4-10% range.

Colonial has managed to remove approximately 178,217 gallons of liquid from Pond 2. Of that volume 48,125 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney arrived at Incident Command Center and integrated into JIC. The JIC set up two interviews with all members of UC, including OSC Berry. The Birmingham, AL news outlets were WBRC and AL.com. Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.

The fire chief deemed the transfer of product from the pipeline to frac tanks was too high risk, therefore operations changed to direct tanker to tanker trucks. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker truck to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to offload.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. 9 sampling locations have been

established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the other 7 were below detection limits.

### **PLANNED RESPONSE ACTIVITIES**

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

Because UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. EPA OSC has requested two START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts.

- ☐ Continue to participate in UC
- ☐ Monitor removal activities
- ☐ Monitor safety air monitoring
- ☐ Participate in the Joint Information Center
- ☐ Prepare for and coordinate a transition to a removal phase
- ☐ Perform water sampling



**To:** Harper, Greg[Harper.Greg@epa.gov]  
**Cc:** Andrew, Gary[Andrew.Gary@epa.gov]; Moore, Tony[moore.tony@epa.gov]  
**From:** Webster, James  
**Sent:** Thur 9/15/2016 12:48:44 PM  
**Subject:** RE: SITREP #5 - Pelham Pipeline Spill

Thanks Greg.

**From:** Harper, Greg  
**Sent:** Thursday, September 15, 2016 8:48 AM  
**To:** william.deas@HQ.DHS.GOV; michael.k.sams@uscg.mil  
**Cc:** Webster, James <Webster.James@epa.gov>; Moore, Tony <moore.tony@epa.gov>; Andrew, Gary <Andrew.Gary@epa.gov>  
**Subject:** FW: SITREP #5 - Pelham Pipeline Spill

Mr. Deas and Mr. Sams,

It has been requested to send you all the past SITREPs for the Pelham Pipeline Spill and include you in all the future SITREPs. If you have any questions please let me know.

Thank you,

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response Removal and Preparedness Branch, 11th Floor

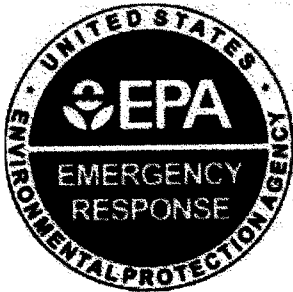
61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**From:** Harper, Greg  
**Sent:** Wednesday, September 14, 2016 8:51 PM  
**Cc:** Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)>  
**Subject:** SITREP #5 - Pelham Pipeline Spill



## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #5**

1800 CDT, September 14, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

## **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

OSC Garrard was mobilized to the site to overlap with OSC Williamson today, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader. OSC Williamson demobilized during this operational period.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

## **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

## **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increase the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 41% range.

Colonial has managed to remove approximately 178,217 gallons of liquid from Pond 2. Of that volume 48,125 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members

continue to observe night operations.

James Pickney arrived at Incident Command Center and integrated into JIC. The JIC set up two interviews with all members of UC, including OSC Berry. The Birmingham, AL news outlets were WBRC and AL.com. Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.

The fire chief deemed the transfer of product from the pipeline to frac tanks was to high risk, therefore operations changed to direct tanker to tanker trucks. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-load.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. 9 sampling locations have been established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the other 7 were below detection limits.

### **PLANNED RESPONSE ACTIVITIES**

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

Because UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. EPA OSC has requested two START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts.

- ☐ ☐ ☐ ☐ ☐ ☐ Continue to participate in UC
- ☐ ☐ ☐ ☐ ☐ ☐ Monitor removal activities
- ☐ ☐ ☐ ☐ ☐ ☐ Monitor safety air monitoring
- ☐ ☐ ☐ ☐ ☐ ☐ Participate in the Joint Information Center

- Prepare for and coordinate a transition to a removal phase
- Preform water sampling

**To:** Harper, Greg[Harper.Greg@epa.gov]; michael.k.sams@uscg.mil[michael.k.sams@uscg.mil]  
**Cc:** Webster, James[Webster.James@epa.gov]; Moore, Tony[moore.tony@epa.gov]; Andrew, Gary[Andrew.Gary@epa.gov]  
**From:** Deas, William  
**Sent:** Thur 9/15/2016 12:56:38 PM  
**Subject:** RE: SITREP #5 - Pelham Pipeline Spill

Thank you sir! Very helpful to our needs, and appreciate your additional efforts to loop is in.

Tony Deas

William A. 'Tony' Deas  
Region 4 Chief Regulatory Compliance  
202-510-4354

---

**From:** Harper, Greg  
**Sent:** Thursday, September 15, 2016 8:47:34 AM  
**To:** Deas, William; Sams, Michael K CIV  
**Cc:** Webster, James; Moore, Tony; Andrew, Gary  
**Subject:** FW: SITREP #5 - Pelham Pipeline Spill

Mr. Deas and Mr. Sams,

It has been requested to send you all the past SITREPs for the Pelham Pipeline Spill and include you in all the future SITREPs. If you have any questions please let me know.

Thank you,

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response Removal and Preparedness Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**From:** Harper, Greg

**Sent:** Wednesday, September 14, 2016 8:51 PM

**Cc:** Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)>

**Subject:** SITREP #5 - Pelham Pipeline Spill



## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #5**

1800 CDT, September 14, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface

transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See “Current Operations” for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

OSC Garrard was mobilized to the site to overlap with OSC Williamson today, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit

Leader. OSC Williamson demobilized during this operational period.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increase the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 41% range.

Colonial has managed to remove approximately 178,217 gallons of liquid from Pond 2. Of that volume 48,125 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The

UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney arrived at Incident Command Center and integrated into JIC. The JIC set up two interviews with all members of UC, including OSC Berry. The Birmingham, AL news outlets were WBRC and AL.com. Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.

The fire chief deemed the transfer of product from the pipeline to frac tanks was to high risk, therefore operations changed to direct tanker to tanker trucks. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-load.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. 9 sampling locations have been established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the other 7 were below detection limits.

## PLANNED RESPONSE ACTIVITIES

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

Because UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. EPA OSC has requested two START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts.

- ☐ Continue to participate in UC

- □□□□□□ Monitor removal activities
- □□□□□□ Monitor safety air monitoring
- □□□□□□ Participate in the Joint Information Center
- □□□□□□ Prepare for and coordinate a transition to a removal phase
- □□□□□□ Preform water sampling

**To:** Moore, Tony[moore.tony@epa.gov]  
**Cc:** Weeks, Victor[weeks.victor@epa.gov]  
**From:** Harper, Greg  
**Sent:** Thur 9/15/2016 1:06:56 PM  
**Subject:** RE: SITREP #5 - Pelham Pipeline Spill

Tony,

Do we want to include DHS on daily ERNS? I am now including Mr. Williams on the Pelham SITREPs. But if there was another large spill we would not know to include him.

Thank you,

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response Removal and Preparedness Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**From:** Weeks, Victor  
**Sent:** Thursday, September 15, 2016 8:59 AM  
**To:** Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** FW: SITREP #5 - Pelham Pipeline Spill

Greg:

Do you know if we can add DHS employees to the ERNS distribution list?

Victor L. Weeks

U.S. EPA Region 4

Air, Pesticides & Toxics Management Division

Chemical Emergency Preparedness & Prevention Coordinator

Atlanta Federal Center

61 Forsyth ST

Atlanta, Georgia 30024

Direct: 404-562-9189

Cell: 770-363-7715

FAX: 404-562-9163

**From:** Williams, James [<mailto:James.Williams@HQ.DHS.GOV>]

**Sent:** Thursday, September 15, 2016 8:47 AM

**To:** Weeks, Victor <[weeks.victor@epa.gov](mailto:weeks.victor@epa.gov)>

**Cc:** Deas, William <[william.deas@HQ.DHS.GOV](mailto:william.deas@HQ.DHS.GOV)>; Albini, David  
<[David.Albini@HQ.DHS.GOV](mailto:David.Albini@HQ.DHS.GOV)>; Whittington, Angela <[Angela.Whittington@HQ.DHS.GOV](mailto:Angela.Whittington@HQ.DHS.GOV)>;  
Gibbs, Kelly <[Kelly.Gibbs@HQ.DHS.GOV](mailto:Kelly.Gibbs@HQ.DHS.GOV)>

**Subject:** RE: SITREP #5 - Pelham Pipeline Spill

Victor,

Would it be possible for us to get on the distro of the region 4 SITREPS for events such as these?

Jim

James E. Williams

Supervisory Chemical Security Inspector



Department of Homeland Security

Office of Infrastructure Protection

Infrastructure Security Compliance Division

Field Operations Branch

Cosby, TN

Mobile 202.604.8712

CFATS Help Desk: 1-866-323-2957

Questions Regarding: [CSAT@DHS.GOV](mailto:CSAT@DHS.GOV)

[WWW.DHS.GOV/CHEMICALSECURITY](http://WWW.DHS.GOV/CHEMICALSECURITY)

Tip Line: 877-FYI 4 DHS (877 394-4347)

November is Critical Infrastructure Security and Resilience Month

For more information about critical infrastructure, visit <http://www.dhs.gov/critical-infrastructure>

“With honor and integrity, we will safeguard the American people, our homeland, and our values”

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**From:** Weeks, Victor [<mailto:weeks.victor@epa.gov>]  
**Sent:** Thursday, September 15, 2016 8:28 AM  
**To:** Garrard, Jordan  
**Cc:** Williams, James  
**Subject:** FW: SITREP #5 - Pelham Pipeline Spill

Jordan:

James Williams with DHS was wondering if Colonial Pipeline has projected a date for when the pipeline will be returned to service?

Also, has Colonial Pipeline quantified any regional gasoline supply issues associated with this transmission pipeline incident?

Victor L. Weeks

U.S. EPA Region 4

Air, Pesticides & Toxics Management Division

Chemical Emergency Preparedness & Prevention Coordinator

Atlanta Federal Center

61 Forsyth ST

Atlanta, Georgia 30024

Direct: 404-562-9189

Cell: 770-363-7715

FAX: 404-562-9163

**From:** Harper, Greg  
**Sent:** Wednesday, September 14, 2016 8:51 PM  
**Cc:** Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** SITREP #5 - Pelham Pipeline Spill



**NRC 1158584, Pelham Pipeline Spill**  
**Pelham, Shelby County, Alabama**

**SITUATION REPORT #5**

1800 CDT, September 14, 2016

**INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

**Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.**

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

## **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

OSC Garrard was mobilized to the site to overlap with OSC Williamson today, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader. OSC Williamson demobilized during this operational period.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increase the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 41% range.

Colonial has managed to remove approximately 178,217 gallons of liquid from Pond 2. Of that volume 48,125 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney arrived at Incident Command Center and integrated into JIC. The JIC set up two interviews with all members of UC, including OSC Berry. The Birmingham, AL news outlets were WBRC and AL.com. Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.

The fire chief deemed the transfer of product from the pipeline to frac tanks was to high risk, therefore operations changed to direct tanker to tanker trucks. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-load.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. 9 sampling locations have been established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the other 7 were below detection limits.

### **PLANNED RESPONSE ACTIVITIES**

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

Because UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. EPA OSC has requested two START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts.

- Continue to participate in UC
- Monitor removal activities
- Monitor safety air monitoring
- Participate in the Joint Information Center
- Prepare for and coordinate a transition to a removal phase
- Perform water sampling



**To:** miguel.l.bella@uscg.mil[miguel.l.bella@uscg.mil]  
**Cc:** Derek Hardy[Derek.Q.Hardy@uscg.mil];  
thomas.m.mccrossen@uscg.mil[thomas.m.mccrossen@uscg.mil]; Natale,  
Steven[steven.j.natale@uscg.mil]  
**From:** Masterson, Chris  
**Sent:** Thur 9/15/2016 2:38:03 PM  
**Subject:** FW: (FPN E16444) SITREP #5 - Pelham Pipeline Spill  
Pelham Pipeline Spill SITREP 5 09142016.pdf  
Pelham Pipeline Spill SITREP 1 final 09102016.pdf  
Pelham Pipeline Spill SITREP 2 final 09112016.pdf  
Pelham Pipeline Spill SITREP 3 09122016.pdf  
Pelham Pipeline Spill SITREP 4 09132016 (02).pdf

Gentlemen, my apologies for not sending these to you sooner. Attached are the Situation Reports from the spill down in Pelham, AL.

-----  
  
Christopher Masterson, Administrative Assistant

SAIC Contractor with EPA

Emergency Response, Removal and Prevention Branch (ERRPB)

61 Forsyth Street 11th Fl

Atlanta, GA 30303

Office: 404-562-8706

Cell: 678-644-6538

Fax: 404-562-8701

Email: [masterson.christopher@epa.gov](mailto:masterson.christopher@epa.gov)

**From:** Harper, Greg  
**Sent:** Thursday, September 15, 2016 10:28 AM  
**To:** Masterson, Chris <[Masterson.Christopher@epa.gov](mailto:Masterson.Christopher@epa.gov)>  
**Subject:** FW: SITREP #5 - Pelham Pipeline Spill

## SITREPs

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response Removal and Preparedness Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

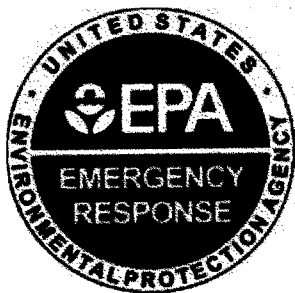
[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**From:** Harper, Greg

**Sent:** Wednesday, September 14, 2016 8:51 PM

**Cc:** Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)>

**Subject:** SITREP #5 - Pelham Pipeline Spill



**NRC 1158584, Pelham Pipeline Spill**

# **Pelham, Shelby County, Alabama**

## **SITUATION REPORT #5**

1800 CDT, September 14, 2016

### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

## **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

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Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increase the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

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OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

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- ☐ ☐ ☐ ☐ ☐ ☐ Continue to participate in UC
- ☐ ☐ ☐ ☐ ☐ Monitor removal activities
- ☐ ☐ ☐ ☐ ☐ Monitor safety air monitoring
- ☐ ☐ ☐ ☐ ☐ Participate in the Joint Information Center
- ☐ ☐ ☐ ☐ ☐ Prepare for and coordinate a transition to a removal phase
- ☐ ☐ ☐ ☐ ☐ Preform water sampling

**To:** Moore, Tony[moore.tony@epa.gov]  
**Cc:** Webster, James[Webster.James@epa.gov]; Hill, Franklin[Hill.Franklin@epa.gov]  
**From:** Davis, Amber  
**Sent:** Thur 9/15/2016 3:35:55 PM  
**Subject:** RE: Colonial Pipeline Spill and Fuel Waiver 2016.docx

Thank you! I will send the updated draft later today.

**Amber Davis, Chief** | Communities Support Section | U.S. Environmental Protection Agency | Region 4 | APTMD | 61 Forsyth St. SW | Atlanta, GA 30303 | Tel 404.562.9014 | davis.amber@epa.gov

**From:** Moore, Tony  
**Sent:** Thursday, September 15, 2016 11:35 AM  
**To:** Davis, Amber <Davis.Amber@epa.gov>  
**Cc:** Webster, James <Webster.James@epa.gov>; Hill, Franklin <Hill.Franklin@epa.gov>  
**Subject:** Colonial Pipeline Spill and Fuel Waiver 2016.docx





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

SEP 14 2016

THE ADMINISTRATOR

The Honorable Nathan Deal  
Governor of Georgia  
206 Washington Street  
111 State Capitol  
Atlanta, Georgia 30334

The Honorable Bill Haslam  
Governor of Tennessee  
State Capitol, 1st Floor  
600 Charlotte Ave  
Nashville, Tennessee 37243

Re: Fuel Waiver Concerning Atlanta, Georgia and Nashville, Tennessee

Dear Governor Deal and Governor Haslam:

This letter is in response to your September 14, 2016 requests that the U.S. Environmental Protection Agency waive the federal gasoline low volatility requirements under the Clean Air Act (CAA) for 13 counties in metropolitan Atlanta, Georgia, and five counties in metropolitan Nashville, Tennessee.<sup>1</sup> (the Affected Counties) due to a disruption in the supply of low volatility fuel caused by an unanticipated pipeline failure in Alabama on a pipeline owned by the Colonial Pipeline Company. The EPA and the U.S. Department of Energy have been actively monitoring the supply of fuel to the Affected Counties. In addition, we have been coordinating with Georgia and Tennessee state officials throughout this period. The EPA has determined, and DOE concurs, that it is necessary to take action to minimize or prevent disruption of an adequate supply of fuel to consumers in the Affected Counties. By this letter, I am granting a waiver of the 7.8 pounds per square inch (psi) Reid vapor pressure (RVP) requirement for gasoline, as provided below.

The regulations promulgated under the CAA require gasoline sold in the Affected Counties to have a maximum RVP of 7.8 psi during the "high ozone" season, which lasts through 11:59 p.m. September 15, 2016, after which state compliant gasoline may be sold and distributed in the Affected Counties under applicable regulations. See 40 C.F.R. § 80.27(a)(2)(ii) and EPA guidance at <https://www.epa.gov/gasoline-standards/gasoline-reid-vapor-pressure>. The unanticipated pipeline failure has resulted in a significant curtailment of the supply of 7.8 psi RVP gasoline available for distribution in the Affected Counties because the Colonial Pipeline supplies a large portion of the low volatility fuel to the Affected Counties.

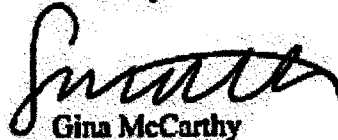
<sup>1</sup> Georgia Counties: Cherokee, Clayton, Cobb, Coweta, DeKalb, Douglas, Fayette, Forsyth, Fulton, Gwinnett, Henry, Paulding, Rockdale. Tennessee Counties: Davidson, Rutherford, Sumner, Williamson, Wilson

I have determined that an "extreme and unusual fuel supply circumstance" exists that will prevent the distribution of an adequate supply of gasoline to consumers in the Affected Counties. CAA § 211(c)(4)(C)(ii)(I), 42 U.S.C. § 7545(c)(4)(C)(ii)(I). This extreme and unusual fuel circumstance is the result of a pipeline failure, an event that could not reasonably be foreseen or prevented, and is not attributable to a lack of prudent planning on the part of suppliers of the fuel to these areas. CAA § 211(c)(4)(C)(ii)(II), 42 U.S.C. § 7545(c)(4)(C)(ii)(II). Further, I have determined that it is in the public interest to grant this waiver and that this waiver applies to the smallest geographic area necessary to address the fuel supply circumstances. CAA § 211(c)(4)(C)(ii)(III) and (iii)(I), 42 U.S.C. § 7545(c)(4)(C)(ii)(III) and (iii)(I).

Therefore, to minimize or prevent problems with the supply of gasoline, I am today issuing this waiver of the 7.8 psi RVP requirement for gasoline sold in the Affected Counties for the remainder of the "high ozone" season. This waiver is effective immediately and will continue through 11:59 p.m. September 15, 2016. Under this temporary waiver, regulated parties may sell or distribute gasoline with a maximum RVP of 9.0 psi (10.0 psi if the gasoline contains between 9 percent and 10 percent ethanol) in the Affected Counties.

The EPA will continue to work with DOE to monitor the impact of the pipeline failure on the fuel supply situation. If you have questions you may call me, or your staff may call Phillip A. Brooks at (202) 564-0652.

Sincerely,



Gina McCarthy

cc: The Honorable Dr. Ernest Moniz  
Secretary of Energy

**To:** Moore, Tony[moore.tony@epa.gov]; Webster, James[Webster.James@epa.gov]  
**From:** Hill, Franklin  
**Sent:** Fri 9/16/2016 12:49:12 AM  
**Subject:** Fwd: EOC Spot Report: Region 4, Colonial Pipeline Spill, Pelham, AL (NRC # 1158584) – Update #5

Sent from my iPhone

Begin forwarded message:

**From:** "Meiburg, Stan" <Meiburg.Stan@epa.gov>  
**Date:** September 15, 2016 at 6:46:22 PM EDT  
**To:** "Heard, Anne" <Heard.Anne@epa.gov>, "Lapierre, Kenneth" <Lapierre.Kenneth@epa.gov>, "Hill, Franklin" <Hill.Franklin@epa.gov>, "Kemker, Carol" <Kemker.Carol@epa.gov>, "Wilkes, Mary" <Wilkes.Mary@epa.gov>  
**Subject:** Fwd: EOC Spot Report: Region 4, Colonial Pipeline Spill, Pelham, AL (NRC # 1158584) – Update #5

Note: this SITREP did not include, but should have, the associated request by TN for an RVP waiver.

Stan

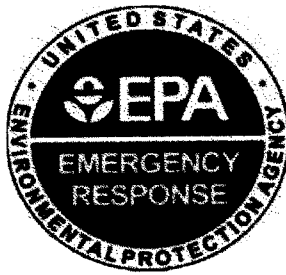
Sent from my iPhone

Begin forwarded message:

**From:** "Eoc, Epahq" <Eoc.Epahq@epa.gov>  
**Date:** September 15, 2016 at 11:59:56 AM CDT  
**To:** "Eoc, Epahq" <Eoc.Epahq@epa.gov>  
**Subject:** EOC Spot Report: Region 4, Colonial Pipeline Spill, Pelham, AL (NRC # 1158584) – Update #5

**This report is being sent as a bcc to prevent accidental Reply to All messages.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**



## **EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584) – Update #5**

**US Environmental Protection Agency**

**Report as of 1300 ET on 09/15/2016**

**Overview:** On September 9<sup>th</sup> at 1449 ET, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek, a tributary of the Cahaba River. An estimated 6,000 barrels of gasoline (253,000 gallons) have been discharged as a result of the leak. The spill location is in a remote location so no evacuations are necessary. The nearest residential neighborhood is located two miles away.

Colonial Pipeline crews continue to prepare the affected pipeline segment for excavation and repair while cleaning up the spill. Colonial Pipeline continues to collaborate with local, state and federal agencies, including the Environmental Protection Agency, Shelby County Emergency Management Agency, Helena Fire Department, Pelham Fire Department, and others in connection with the response. As a precautionary measure, airspace above the release location has been restricted to further protect responders, personnel and the public. According to the FAA, the restriction will remain in effect until 9/18/16.

Colonial has removed approximately 178,217 gallons of liquid from Pond 2. Of that volume, 48,125 gallons of oil have been separated and 130,092 gallons of mixed oil/water remain. Colonial established a pumping area on the north end of the pond where vapor levels were lower. Vacuum trucks continue to pump from this location. Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The high level of explosive vapors is the greatest limiting factor to recovery operations. Colonial contractor CTEH is on site providing air monitoring services. All personnel entering the hot zone are required to have flame resistant clothing and an air monitoring escort. Action levels for benzene, VOCs and explosive vapors have been established.

The diversions designed for Pond 3 are in place, which include a substantial underflow dam at the pond's outfall. No oil sheening is visible along the shoreline at Pond 3. Colonial continues to monitor the pond and will notify Unified Command if any petroleum is observed.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The Shelby County Emergency Management Association (EMA) responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State- and County-level agencies. An Incident Command post was established in Hoover, Alabama. United States Coast Guard (USCG) Gulf Strike Team (GST) members have been assisting with health and safety oversight and response operations.

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Eugene Lee, Senior Watch Officer

U.S. Environmental Protection Agency

Headquarters Emergency Operations Center

1200 Pennsylvania Ave

Washington, DC 20004

202-564-3850

<mailto:eoc.epahq@epa.gov>

**To:** Moore, Tony[moore.tony@epa.gov]  
**From:** Hill, Franklin  
**Sent:** Fri 9/16/2016 12:57:39 AM  
**Subject:** Re: EOC Spot Report: Region 4, Colonial Pipeline Spill, Pelham, AL (NRC # 1158584) – Update #5

Coordinate with APTMD

Sent from my iPhone

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**Date:** September 15, 2016 at 6:46:22 PM EDT  
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Stan

Sent from my iPhone

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<image001.png>

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U.S. Environmental Protection Agency

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<mailto:coc.epahq@epa.gov>



**To:** Moore, Tony[moore.tony@epa.gov]  
**Cc:** Hill, Franklin[Hill.Franklin@epa.gov]; Kemker, Carol[Kemker.Carol@epa.gov]; Davis, Anita[Davis.Anita@epa.gov]; Gettle, Jeaneanne[Gettle.Jeaneanne@epa.gov]  
**From:** Webster, James  
**Sent:** Fri 9/16/2016 12:59:35 AM  
**Subject:** Re: EOC Spot Report: Region 4, Colonial Pipeline Spill, Pelham, AL (NRC # 1158584) – Update #5

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<image001.png>

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**From:** Kemker, Carol  
**Sent:** Fri 9/16/2016 1:19:47 AM  
**Subject:** Re: EOC Spot Report: Region 4, Colonial Pipeline Spill, Pelham, AL (NRC # 1158584) – Update #5

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Sent from my iPhone

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<image001.png>

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**To:** Stilman, Terry[Stilman.Terry@epa.gov]; Harper, Greg[Harper.Greg@epa.gov]; Moore, Tony[moore.tony@epa.gov]  
**Cc:** Thoms, Sharon[Thoms.Sharon@epa.gov]; Thomas, Brett[Thomas.Brett@epa.gov]; Frederick, Tim[Frederick.Tim@epa.gov]; Collins, Arthur[Collins.Arthur@epa.gov]  
**From:** Adams, Glenn  
**Sent:** Fri 9/16/2016 7:19:52 PM  
**Subject:** FW: Colonial Pipeline Spill Tables of ecological screening values  
Tables 1 - Ecological Surface Water Screening Tables 9 19 16.xlsx  
Table 2 Ecological Sediment Screening Table 9 16 16.xlsx  
Summary May 2016.xls

Terry,

Here is a list of the contaminants that we think would be important to look for in surface water and/or sediments. They are included in these eco (surface water and sediment) screening level table. We don't have eco values for all of these, but my folks are trying to fill in the missing parts. I have also attached the latest version of the RSL table. Eco risk will probably be your "driver" but you can look at the "Tap Water" or soil values in the RSL table for a guide to help you determine potential detection limits. If you collect any data and it exceeds these screening levels, then we can help you look at appropriate action levels for what you are finding (e.g., specifically for fish or swimmers, etc)

As I told you on the phone, I'm in Denver from Sunday thru Friday and won't be of much help to you, but feel free to call if needed. Tim Frederick will be acting for me while I'm out of the office. Below is the contact information for Tim, Brett and Sharon.

I hope this is helpful, but let us know if you have any questions or issues.

Thanks,

Glenn

Tim Frederick, HH Risk 2-8598 (desk) 470-728-7420 (cell)

Brett Thomas, Eco Risk 2-8751 (desk) 404-326-2715 (cell)

Sharon Thoms, Eco Risk 2-8666 (desk) 404-414-3550 (cell)

Glenn Adams, Chief

Scientific Support Section

EPA Region 4 Superfund Division

404-562-8771 (office)

**From:** Thoms, Sharon

**Sent:** Friday, September 16, 2016 2:41 PM

**To:** Adams, Glenn <Adams.Glenn@epa.gov>

**Subject:** Colonial Pipeline Spill Tables of ecological screening values

Glenn,

I put the names of the chemicals that are recommended for analysis in the tables, but I have not finished filling out the screening values.

Sharon

Sharon Thoms

Life Scientist

Resources & Scientific Integrity Branch

Superfund Division

U.S. EPA Region 4

Atlanta, GA 30303

(404) 562-8666

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = APPENDIX PPRTV SCREEN (See FAQ #27); H = HEAST; F = See FAQ; J = New Jersey; O = EPA Office of Water; E = see user guide Section 2.3.5; L = see user guide on lead; M = mutagen; S = see user guide Section 5; V = volatile; R = RBA applied (See User Guide for Arsenic notice); c = cancer; n = noncancer; \* = where n SL < 100 c SL; \*\* = where n SL < 100 c SL; SLL values are based on DAF=1; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide)

Toxicity and Chemical-Specific Information										Screening Levels										Protection of Ground Water SSLs	
EC	LR	HA	HA	HA	HA	HA	HA	HA	HA	Analyst	CAS No.	Residual Sol	Industrial Sol	Residual Air	Industrial Air	Residual Soil	Industrial Soil	Residual Water	Industrial Water	SSL	SSL
0.7E-03	2.2E-04	4.0E-03	8.0E-03	I, V	0.1	1.1E+00	Acetate	30560-19-1	Acetate	75-07-0	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Acetaldehyde	75-07-0	Acetaldehyde	75-07-0	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Acetone	67-64-1	Acetone	67-64-1	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Acetone Dicyanohydrin	75-06-5	Acetone Dicyanohydrin	75-06-5	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Acetonitrile	75-05-8	Acetonitrile	75-05-8	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Acetophenone	98-06-2	Acetophenone	98-06-2	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Acetylaminofluorene, 2-	53-96-3	Acetylaminofluorene, 2-	53-96-3	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Acrolein	107-02-8	Acrolein	107-02-8	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Acrylamide	79-06-1	Acrylamide	79-06-1	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Acrylic Acid	79-10-7	Acrylic Acid	79-10-7	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Acrylonitrile	107-13-1	Acrylonitrile	107-13-1	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Adiponitrile	111-68-3	Adiponitrile	111-68-3	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Alachlor	15972-00-8	Alachlor	15972-00-8	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Aldicarb	116-06-3	Aldicarb	116-06-3	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Aldicarb Sulfone	1646-56-4	Aldicarb Sulfone	1646-56-4	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Aldicarb Sulfonate	1646-56-4	Aldicarb Sulfonate	1646-56-4	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Aldrin	309-00-2	Aldrin	309-00-2	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Allyl Alcohol	107-18-6	Allyl Alcohol	107-18-6	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							N-Propyl Chloride	107-05-1	N-Propyl Chloride	107-05-1	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Aluminum	7429-90-5	Aluminum	7429-90-5	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Aluminum Phosphide	20553-73-8	Aluminum Phosphide	20553-73-8	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Amelnyl	834-12-8	Amelnyl	834-12-8	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Aminobiphenyl, 4-	92-67-1	Aminobiphenyl, 4-	92-67-1	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Aminophenol, m-	591-27-5	Aminophenol, m-	591-27-5	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Aminophenol, p-	123-30-8	Aminophenol, p-	123-30-8	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Amtraz	33089-61-1	Amtraz	33089-61-1	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Ammonia	7664-41-7	Ammonia	7664-41-7	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Ammonium Sulfamate	7773-06-0	Ammonium Sulfamate	7773-06-0	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Amyl Alcohol, tert-	107-18-6	Amyl Alcohol, tert-	107-18-6	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Aniline	62-53-3	Aniline	62-53-3	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Anthracene, 9,10-	84-65-1	Anthracene, 9,10-	84-65-1	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Antimony (metallic)	7440-36-2	Antimony (metallic)	7440-36-2	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Antimony Pentoxide	1314-62-9	Antimony Pentoxide	1314-62-9	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Antimony Trioxide	1332-81-8	Antimony Trioxide	1332-81-8	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Antimony Trioxide	1309-64-4	Antimony Trioxide	1309-64-4	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Arsenic, inorganic	7440-36-2	Arsenic, inorganic	7440-36-2	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Arsine	7784-42-1	Arsine	7784-42-1	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Arsulam	3337-71-1	Arsulam	3337-71-1	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Azinphos-methyl	1812-24-9	Azinphos-methyl	1812-24-9	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Azinphos-methyl	492-40-8	Azinphos-methyl	492-40-8	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Azinphos-methyl	65195-05-3	Azinphos-methyl	65195-05-3	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Azinphos-methyl	86-50-0	Azinphos-methyl	86-50-0	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Azinphos-methyl	103-33-3	Azinphos-methyl	103-33-3	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Azinphos-methyl	123-77-3	Azinphos-methyl	123-77-3	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Azinphos-methyl	7440-39-3	Azinphos-methyl	7440-39-3	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Barium Chromate	10294-40-3	Barium Chromate	10294-40-3	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Barium Chloride	1661-40-1	Barium Chloride	1661-40-1	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Barium Chloride	17804-35-2	Barium Chloride	17804-35-2	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Barium Chloride	83055-98-4	Barium Chloride	83055-98-4	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Barium Chloride	25057-89-0	Barium Chloride	25057-89-0	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Benzaldehyde	100-52-7	Benzaldehyde	100-52-7	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Benzene	71-43-2	Benzene	71-43-2	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Benzene	6399-59-1	Benzene	6399-59-1	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Benzene	108-98-5	Benzene	108-98-5	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00
							Benzene	92-47-5	Benzene	92-47-5	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00	1.1E+00





Key: J = JRIIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = APPENDIX PPRTV SCREEN (See FAQ #27); H = HEAST; F = See FAQ; J = New Jersey; O = EPA Office of Water; E = see user guide Section 2.3.5; L = see user guide on lead; M = mutagen; S = see user guide Section 5; V = volatile; R = RBA applied (See User Guide for Arsenic notice); c =

Toxicity and Chemical-specific Information										Containment		Screening Levels										Protection of Ground Water SSLs		
SFO	HAZ	HAZ	HAZ	HAZ	HAZ	HAZ	HAZ	HAZ	HAZ	Analyte	CAS No.	Resident Soil	Industrial Soil	Resident Air	Industrial Air	Resident Water	Industrial Water	Resident Sediment	Industrial Sediment	Resident Fish	Industrial Fish	SSL (mg/L)	Unit	
(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)															
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Dichlorvos	62-73-7	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Dieldrin	141-66-2	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	77-73-6	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	60-57-1	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	111-42-2	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	112-34-5	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	111-90-0	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	617-54-5	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	56-53-1	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	43222-46-8	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	35287-39-5	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	75-37-6	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	94-58-6	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	105-20-3	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	1445-75-6	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	55290-64-7	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	60-51-5	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	119-80-4	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	756-79-9	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	60-11-7	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	21436-96-4	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	95-50-1	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	121-69-7	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	456-48-2	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	119-83-7	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	68-12-2	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	57-14-7	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	540-73-8	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	105-87-9	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	576-26-1	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	95-45-9	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	513-37-1	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	534-52-1	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	131-86-5	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	528-29-0	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	99-65-0	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	mg/L
1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	Diethylamine	100-25-4	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01	1.0E-01		

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = APPENDIX PPRTV SCREEN (See FAQ #27); H = HEAST; F = See FAQ; J = New Jersey; O = EPA Office of Water; E = see user guide Section 2.3.5; L = see user guide on lead; M = mutagen; S = see user guide Section 5; V = volatile; R = RBA applied (See User Guide for Arsenic notice); c = cancer; n = noncancer; \* = where n SL < 100X c SL; \*\* = where n SL < 10X c SL; SSL values are based on DAF=1; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide)

Toxicity and Chemical-Specific Information										Contaminant		Screening Levels										Protection of Ground Water SSLs
SPO	LR	IR	ND	NC	NC	NC	NC	NC	NC	Analyte	CAS No.	Residential Soil	Industrial Soil	Residential Air	Industrial Air	Transfer	MDL					
(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)			(mg/kg)	(mg/kg)	(mg/m <sup>3</sup> )	(mg/m <sup>3</sup> )	(mg/m <sup>3</sup> )	(mg/L)					
1.1E-02	C 2.5E-03	1.0E-01	1.0E-01	V	0.1	1.1E-01				Ethyl Methacrylate	97-63-7	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Ethyl p-nitrophenyl Phosphonate	2104-64-5	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Ethylene Cyanohydrin	100-41-4	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Ethylene Diamine	109-78-4	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Ethylene Glycol	107-15-3	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Ethylene Glycol Monobutyl Ether	107-21-1	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Ethylene Oxide	111-78-2	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Ethylene Thiourea	75-21-9	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Ethylamine	151-56-4	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Ethylphenyl Ethyl Glycolate	84-72-0	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	2224-92-6	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	39515-41-8	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	51830-59-1	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	2164-17-2	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	18884-48-8	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	7782-41-4	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	50756-90-4	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	56425-91-3	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	85509-19-9	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	66352-96-5	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	68409-84-0	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	133-07-3	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	72178-02-0	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	844-22-9	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	95-02-0	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	64-18-6	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	39148-24-8	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	132-84-9	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	110-00-9	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	109-99-9	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	98-01-1	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	531-82-8	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	60568-06-0	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	77182-82-2	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	111-30-9	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	765-34-4	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	1071-83-6	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	113-00-0	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	50-01-1	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	6806-40-2	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	78-44-8	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	1024-57-3	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	87-82-1	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	68831-49-2	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	118-74-1	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	87-68-3	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	319-84-6	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	319-85-7	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	58-89-9	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	608-73-1	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	67-72-4	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	70-30-4	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	121-82-4	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	822-06-0	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	680-31-9	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	110-54-3	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	124-04-0	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	581-78-6	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	51235-04-2	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	78581-05-0	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01				Fluorophenol	67485-29-4	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01	1.1E-01					
		1.0E-01	1.0E-01	V	0.1	1.1E-01																

Key: J = JRIIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = APPENDIX PPRTV SCREEN (See FAQ #27); H = HEAST; F = See FAQ; J = New Jersey; O = EPA Office of Water; E = see user guide Section 2.3.5; L = see user guide on lead; M = mutagen; S = see user guide Section 5; V = volatile; R = RBA applied (See User Guide for Arsenic notice); c =

[illegible]

See FAC J = New jersey; O = PA; Office of War; E =  
n SL = 10%; SSL values are based on D, F=1;

THQ=1.0

Key: I = IRIS; P = PPRTV; A = ATSDR; C = Cal EPA; X = APPENDIX PPRTV SCREEN (See FAQ #27); H = HEAST; F = See FAQ #28; L = EPA Office of Water; M = user guide Section 2.3.5; S = see user guide Section 5; V = volatile; R = RBA applied (See User Guide for Arsenic notice); c = cancer; n = noncancer; \* = where n SL < 100X c SL; \*\* = where n SL < 10X c SL; values rounded on DAF; m = concentration may exceed calling limit (See User Guide); s = concentration may exceed Csat (See User Guide)

[illegible]



Key: I = IRIS; P = PPRVT; A = ATSDR; C = Cal EPA; X = APPENDIX PPRTV SCREEN (See FAQ #27); H = HEAST; F = See FAQ; J = New Jersey; O = EPA Office of Water; E = see user guide Section 2.3.5; L = see user guide on lead; M = mutagen; S = see user guide Section 5; V = volatile; R = RBA applied (See User Guide for Arsenic notice); c = cancer; n = noncancer; * where: n SL < 10X < SL ** where n SL < 10X < SL. SSL values are based on DAF=1; m = Concentration may exceed ceiling limit (See User Guide); s = Concentration may exceed Csat (See User Guide)		Contaminant	Screening Levels	Protection of Ground Water SSLs
--	--	-------------	------------------	---------------------------------

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[illegible]



Table 2a  
Region 4 Sediment Screening Values for Hazardous Waste Sites  
Non-Narcotic Modes of Action

Chemical	CAS	Freshwater Sediment Screening Value		Source
		ESV	RSV	
Metals mg/kg dw				
Nickel	7440-02-0	22.7	48.6	b
Vanadium	7440-62-2	50	57	l
Bulk Petroleum Hydrocarbons mg/kg dw				
Gasoline Range Organics		12		m
Total Petroleum Hydrocarbons - Diesel	68334-30-5	340	510	h
Total Petroleum Hydrocarbons - Residual	68476-53-9	3,600	4,400	h

**Table 2 Notes:**

Red font indicates a bioaccumulative chemical.

\* - indicates protective of aquatic and wildlife receptors.

Shaded gray cells indicate units in µg/kg dry weight.

CAS = chemical abstract service registry number

ESV - Ecological Screening Value for Step 2

RSV - Refinement Screening Value for Step 3a

R - Reactive electrophiles/proelectrophiles

N2 - Polar Narcosis

N3 - Diesters

J - Oxidative phosphorylation uncouplers

H - Herbicides

C - Central nervous system seizure agents

A - Acetylcholinesterase inhibitors

F - Fungicide

E - Endocrine disrupters or reproductive and developmental toxicants

**Table 2a Sources:**

1 - Long, Edward R., and Lee G. Morgan. 1991. The Potential for Biological Effects of Sediment-Sorbed Contaminants Tested in the National Status and Trends Program. NOAA Technical Memorandum NOS OMA 52. Used effects range low (ER-L) for chronic and effects range medium (ER-M) for acute.

2 - MacDonald, D.D.; Ingersoll, C.G.; Smorog, D.E.; Lindscoog, R.A.; Sloane, G; and T. Biernacki. 2003. Development and Evaluation of Numerical Sediment Quality Assessment Guidelines for Florida Inland Waters. Florida Department of Environmental Protection, Tallahassee, FL. Development and Evaluation of Numerical Sediment Quality Assessment Guidelines for Florida Inland Waters. Used threshold effect concentration (TEC) for the ESV and probable effect concentration (PFC) for the RSV.

3 - MacDonald, D.D. 1994. Approach to the Assessment of Sediment Quality in Florida Coastal Waters. Florida Department of Environmental Protection. 1994 Florida Sediment Quality Assessment Guidelines for Florida Coastal Waters.

4 - Region 4 Sediment Model based on highest ranked surface water quality ESV from Table 1a. See Equation 3 in text Section 6.2.2.

5 - Region 4 Sediment Model based on: (ECOSAR minimum chronic value). See text.

6 - Region 4 Sediment Model based on: (lowest predicted surface water value from McGrath & Di Toro (2009). See text.

7 - Persaud, D., R. Jaagumagi and A. Hayton. 1993. Guidelines for the protection and management of aquatic sediment quality in Ontario. Ontario Ministry of the Environment. Queen's Printer of Ontario.

8 - Washington State Sediment Management Standards, Cleanup Objectives.

[http://www.ecy.wa.gov/programs/tcp/smu/sed\\_standards.htm](http://www.ecy.wa.gov/programs/tcp/smu/sed_standards.htm)

9 - Los Alamos National Laboratory ECORISK Database. <http://www.lanl.gov/community-environment/environmental-stewardship/protection/eco-risk-assessment.php>

10 - CCME (Canadian Council of Ministers of the Environment). 2003. Canadian Environmental Quality Guidelines: Summary Table December 2003. Canadian Council of Ministers of the Environment, Winnipeg, Manitoba. Available at [http://www.ccme.ca/publications/ceqg\\_rcqe.html](http://www.ccme.ca/publications/ceqg_rcqe.html)

11 - USEPA. 1993. Interim Report on Data and Methods for Assessment of 2,3,7,8 - Tetrachlorodibenzo-p-dioxin Risks to Aquatic Life and Associated Wildlife. EPA/600/R-93/055. Available from the National Service Center for Environmental Publications (NSCEP) Document Number 600R93055. <http://www.epa.gov/nscep/>

Table 2b  
Region 4 Sediment Screening Values for Hazardous Waste Sites  
for Narcotic Mode of Action

Chemical	CAS	Freshwater Sediment Screening Value (µg/kg 1% OC)		Source
		ESV	RSV	
Monoaromatic Hydrocarbons				
1,2,3-Trimethylbenzene	526-73-8	2,074		c
1,2,4-Trimethylbenzene	95-63-6	92		a, b
1,3,5-Trimethylbenzene	108-67-8	157		a, b
Benzene	71-43-2	113		a, b
Cymene, p- (4-Isopropyltoluene)	99-87-6	179		a, b
Ethylbenzene	100-41-4	272		a, b
Isopropylbenzene (Cumene)	98-82-8	33		a, b
Styrene (Vinyl benzene)	100-42-5	116		a, b
Toluene	108-88-3	145		a, b
Kylenes (total)	1330-20-7	103		a, b
Aliphatic Organic Compounds (SVOCs) µg/kg @ 1% OC				
Monoaromatic Hydrocarbons				
Pentane				
Cyclopentane				
Hexane				
Cyclohexane				
Heptane				
Octane				
Isooctane				
Nonane				
Decane				
PAHs µg/kg dw				
Low molecular weight PAHs (LMW-PAHs)				
1-Methylnaphthalene	90-12-0	*		
2-Methylnaphthalene	91-57-6	*		
Acenaphthene	83-32-9	*		
Acenaphthylene	208-96-8	*		
Anthracene	120-12-7	*		
Fluorene	86-73-7	*		
Naphthalene	91-20-3	*		
Phenanthrene	85-01-8	*		
Total LMW-PAHs		*		b
High molecular weight PAHs (HMW-PAHs)				
Benz(a)anthracene	56-55-3	*		
Benzo(a)pyrene	50-32-8	*		
Benzo(b)fluoranthene	205-99-2	*		
Benzo(g,h,i)perylene	191-24-2	*		
Benzo(k)fluoranthene	207-08-9	*		
Chrysene	218-01-9	*		
Dibenz(a,h)anthracene	53-70-3	*		
Fluoranthene	206-44-0	*		
Indeno(1,2,3-cd)pyrene	193-39-5	*		
Phenanthrene	85-01-8	*		
Pyrene	129-00-0	*		
Total HMW-PAHs		*		d
Total PAHs		1,610		f
PAH-like Compounds µg/kg @ 1% OC unless denoted by shading				
1,1-Biphenyl	92-52-4	197		a, b
Dibenzofuran	132-64-9	151	680	a, e
Quinoline	91-22-5	2,774		c
Tetrahydrofuran	109-99-9	1,183		a, b

**Table 2 Notes:**

\* see Total below.  
 Red font indicates a bioaccumulative chemical.  
 Gray shaded cells indicate concentration in µg/kg dry weight  
 ESV - Ecological Screening Value for Step 2  
 RSV - Refinement Screening Value for Step 3a  
 CAS = chemical abstract service registry number

**Table 2a Sources:**

1 - Region 4 Sediment Model based on highest ranked surface water quality ESV from Table 1a See Equation 5 in text  
 Section 5.2.2  
 3 - Region 4 Sediment Model based on: (ECOSAR minimum chronic value). See text.

Table 2b  
Region 4 Sediment Screening Values for Hazardous Waste Sites  
for Narcotic Mode of Action

sediment quality in Florida coastal waters. Florida Department of Environmental Protection, 1994. Approach to the Assessment of Sediment Quality in Florida Coastal Waters. Florida Department of Environmental Protection, 1994. Florida Sediment Quality Assessment Guidelines for Florida Coastal Waters. <http://www.dep.state.fl.us/water/quality/assessment/standards.htm>

MacDonald, D.D.; Ingersoll, C.G.; Smayda, D.E.; Lindscoog, R.A.; Sloane, G; and T. Biernacki. 2003. Development and Evaluation of Numerical Sediment Quality Assessment Guidelines for Florida Inland Waters. Florida Department of Environmental Protection, Tallahassee, FL. Development and Evaluation of Numerical Sediment Quality Assessment Guidelines for Florida Inland Waters. Used threshold effect concentration (TEC) for ESV.



Table 1a  
Region 4 Surface Water Screening Values for Hazardous Waste Sites

Chemical	CAS	Freshwater Screening Values (µg/L)		
		Chronic	Acute	Source
Metals				
Nickel (filtered) ^ *	7440-02-0	28.9	260	a
Vanadium	7440-62-2	27	79	b
Monocyclic hydrocarbons				
1,2,4-Trimethylbenzene	95-63-6	15	140	b
1,3,5-Trimethylbenzene	108-67-8	26	230	b
Benzene	71-43-2	160	700	b
p-Cymene, p- (4-Isopropyltoluene)	99-87-6	16	150	b
Ethylbenzene	100-41-4	61	550	b
Isopropylbenzene (Cumene)	98-82-8	4.8	43	b
Styrene (vinyl benzene)	100-42-5	32	290	b
Toluene	108-88-3	62	560	b
Xylenes (total)	1330-20-7	27	240	b
Tetrahydrofuran	109-99-9	11,000	74,000	b
Aliphatic Hydrocarbons				
Pentane				
Cyclopentane				
Hexane				
Cyclohexane	110-82-7	230	1,190	e, i
Heptane				
Octane				
Isooctane				
Nonane				
Decane	124-18-5	49	880	c
Polycyclic Aromatic Hydrocarbons (PAHs)				
1-Methylnaphthalene	90-12-0	6.1	109	b
2-Methylnaphthalene	91-57-6	4.7	42	b
Acenaphthene	83-32-9	15	19	b
Acenaphthylene	208-96-8	13	120	b

Table 1a

Anthracene	Anthracene	120-12-7	0.02	0.18	b
3enz(a)anthracene	Benz(a)anthracene	56-55-3	4.7	42	b
3enzo(a)pyrene	Benzo(a)pyrene	50-32-8	0.060	0.54	b
3enzo(b)fluoranthene	Benzo(b)fluoranthene	205-99-2	2.6	23	b
3enzo(g,h,i)perylene	Benzo(g,h,i)perylene	191-24-2	0.44	0.91	q
Benzo(k)fluoranthene	Benzo(k)fluoranthene	207-08-9	0.64	1.3	q
Chrysene	Chrysene	218-01-9	4.7	42	b
Dibenz(a,h)anthracene	Dibenz(a,h)anthracene	53-70-3	0.28	0.59	q
Fluoranthene	Fluoranthene	206-44-0	0.8	3.7	b
Fluorene	Fluorene	86-73-7	19	110	b
Indeno(1,2,3-cd)pyrene	Indeno(1,2,3-cd)pyrene	193-39-5	0.28	0.6	q
Naphthalene	Naphthalene	91-20-3	21	170	b
Phenanthrene	Phenanthrene	85-01-8	2.3	31	b
Pyrene	Pyrene	129-00-0	4.6	42	b
	<b>Other SVOCs</b>				
1,1-Biphenyl	1,1-Biphenyl	92-52-4	6.5	26	b
Dibenzofuran	Dibenzofuran	132-64-9	4	36	b
<b>Bulk Petroleum Hydrocarbons, µg/L</b>	<b>Bulk Petroleum Hydrocarbons, µg/L</b>				
Gasoline Range Organics	Gasoline Range Organics		114		
Total Petroleum Hydrocarbons - Diesel	Total Petroleum Hydrocarbons - Diesel	68334-30-5			
Total Petroleum Hydrocarbons - Residual	Total Petroleum Hydrocarbons - Residual	68476-53-9			

**Table 1a Notes:**

[illegible]

Dependent. Values displayed are for a pH of 7.8.  
Dependent. Values displayed are for a pH of 7.8.

lifestage-dependent monia are pH, temperature, and lifestage c

diet selenium concentration and water being a significant dietary source

**Table 1a Sources:**

<http://water.epa.gov/scitech/swguidance/standards>  
**detected value, the higher number should be used;** but if  
 the results are to an average or 95%UCL, the

Table 1a

aa - Tier 2 value.

ces Tier II criteria, revised 2013

resources Tier II criteria revised 2013

ES/ER/TM-96/R2

LS/EK/LM=98/  
nfs/fm96c2.pd  
asf/asf/nfs

03/23/2017/ Table of state files/legal/Rules/che... 1/62

(FNUCLL) Sumitree Wakker Stranbancos

~~plan/ing~~ ~~classification~~ ~~document~~ ~~disorder/s~~ ~~unfetter~~ ~~water~~

resources/planning/classification/standards/surface.

ROGATER) Usat

### Quality Standards

### Surface Water (Aquatic Habitat) Standards

<http://ehp-www.niehs.nih.gov/>

<http://ena-web.doh.hawaii.gov/ena->

Downloaded by [G2003] in Gosh Sidiannaryi on 06 Dec 2013 at 00:30

Chairman of the Council of Ministers of the Free Manitoba

à [Miami](#) [es](#) [jamaïque](#) [Availab](#) [entdelines/index](#) [H](#)

i - McGrath and Pl. Joro (2004) Model - See text

Section 6.1.4 Equation 1

1 - ECUSAR program predicted lowest chronic or  
e value. See Section 6.1.4 in text.

*acutifolia* Valiev. See Section 6.1 & in text  
k. Tolmachev et al. (1999)

k - Ialmadge et al. (1999)

**Table Values:** <http://www.waterqualitycriteria.org/Docs/waterGuidelines111.pdf> [http://www.dec.ny.gov/docs/water\\_pdf/togs111.pdf](http://www.dec.ny.gov/docs/water_pdf/togs111.pdf)

Frontiers | DOI: 10.3389/fpsyg.2022.767889

<https://www.fda.gov/oc/foia>

[www.michigan.gov/deq/0,4331,7-133-3313\\_3n8n\\_3178\\_](http://www.michigan.gov/deq/0,4331,7-133-3313_3n8n_3178_)

<http://www.michigan.gov/deq/0,4561,7-135->

www.texas.gov/SurfaceWaterQuality/Standards/2014standards.html

<https://www.epa.gov/waterquality/standards/2014standards.html>

file:///C:/Users/impil/Desktop/Qualtrics/Survey/040814/040814/

### Benchmarks (ESBs) for the Protection of Benthic

Equilibrium Partitioning Sediment Organisms: PAH Mixtures. Office of Research and

Development, Washington, DC EPA/600/R-12/013

Available at: <http://www.udel.edu/udaily/2010/jun/images/PAHESB.pdf>

Reprints: <http://www.managingmind.com>

child development, minimizing pesticide risks/pesticide life-

[aquatic-life-pesticide-risks/aquatic-life-pesticide-risks](#)

<http://www.deq.louisiana.gov/portal/Portals/0/planing/regs/rule33/33a.pdf>

http://regs/title33/33v09-

**Table 1a**  
**Region 4 Surface Water Screening Values for Hazardous Waste Sites**

Table 1a  
Region 4 Surface Water Screening Values for Hazardous Waste Sites

--

stely protective.

Chemical	Chronic Values			Acute values			Conversion Factors	
	<i>m<sub>c</sub></i>	<i>b<sub>c</sub></i>	<i>CF</i>	<i>m<sub>a</sub></i>	<i>b<sub>a</sub></i>	<i>CF</i>	<i>CF - Chronic</i>	<i>CF - Acute</i>
Nickel	0.846	0.0584	0.997	0.846	2.255	0.998	0.99	0.99

Notes:  
\* - Saltwater values do not have a hardness correction  
^ - Hardness-based Great Lakes Tier 2 equation  
*CF* - Conversion Factor  
lnH - natural log of Hardness

Filtered Chronic Screening Value = exp{mC[ln(H)]+bC} [CF]  
Filtered Acute Screening Value = exp{mA[ln(H)]+bA} [CF]

CHEMICAL	Freshwater Total (Unfiltered) Samples										Saltwater Unfiltered	
	Chronic Values (µg/L)					Acute Values (µg/L)					Chronic	Acute
	Hardness (mg/kg CaCO <sub>3</sub> )					Hardness (mg/kg CaCO <sub>3</sub> )					No hardness correction	
	25	50	100	200		25	50	100	200			
Nickel	16.1	29	52	94		145	261	469	843		8.3	75

**Notes:**

CaCO<sub>3</sub> - calcium carbonate

µg/L - micrograms per liter

mg/kg- milligrams per kilogram



**To:** gwen.keenan@fema.dhs.gov[gwen.keenan@fema.dhs.gov]  
**Cc:** Moore, Tony[moore.tony@epa.gov]  
**From:** Harper, Greg  
**Sent:** Sat 9/17/2016 12:10:05 AM  
**Subject:** Pelham pipeline SITREPS #1-7  
[Pelham Pipeline Spill SITREP 1 final 09102016.pdf](#)  
[Pelham Pipeline Spill SITREP 2 final 09112016.pdf](#)  
[Pelham Pipeline Spill SITREP 3 09122016.pdf](#)  
[Pelham Pipeline Spill SITREP 4 09132016.pdf](#)  
[Pelham Pipeline Spill SITREP 5 09142016.pdf](#)  
[Pelham Pipeline Spill SITREP 6 09152016.pdf](#)  
[Pelham Pipeline Spill SITREP 7 09162016.pdf](#)

Ms. Keenan,

Please find the attached SITREPS #1-7 for the Pelham Pipeline Spill.

Thank you,

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)



**To:** Moore, Tony[moore.tony@epa.gov]  
**From:** Harper, Greg  
**Sent:** Mon 9/19/2016 12:23:48 AM  
**Subject:** Pelham Pipeline Spill conference call

Tony,

Kevin would like to have a 2 eastern / 1 central time call tomorrow. To include you, Jim, Larry and anyone who you need to invite.

Will you set up that call again?

Thank you,

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)



**To:** McGuire, Jim[McGuire.Jim@epa.gov]; Bates, Lloyd[Bates.Lloyd@epa.gov]; R4DutyOSC[R4DutyOSC@epa.gov]; Moore, Tony[moore.tony@epa.gov]  
**From:** Masterson, Chris  
**Sent:** Fri 9/16/2016 12:27:00 PM  
**Subject:** FW: E16444 - Update CANAPS Project

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**From:** AutoResponseCANAPS@uscg.mil  
**Sent:** Friday, September 16, 2016 8:26:55 AM (UTC-05:00) Eastern Time (US & Canada)  
**To:** Berry, Chuck; Harper, Greg; Masterson, Chris  
**Subject:** E16444 - Update CANAPS Project

CANAPS has processed a CEILING UPDATE REQUEST. Below is all of the information entered by the user or calculated by CANAPS. This Email serves as a confirmation that the request has been processed. An official Coast Guard Messaging System (CGMS) message will be automatically generated.

Recipients are reminded that the issuance of this project number and ceiling does not in any way change the authorizations or restrictions in the instructions/guidance for emergency acquisition procedures.

If you need to contact someone after business hours (Eastern Time), call the NPFC Case Management Duty Officer (CDO) at (202) 494-9118.

CANAPS Transaction Type	CEILING UPDATE
Project Number:	E16444
Ceiling Update Date	16 SEP 2016
Incident Date:	09 SEP 2016
Incident Name	FELHAM PIPELINE SPILL - E16444
Previous CG Cost Ceiling:	No Data Entered
Previous OSLTF/CERCLA Ceiling:	\$50,000.00
Previous Total Ceiling:	\$50,000.00
CG Cost Amount Requested:	No Data Entered
OSLTF/CERCLA Amount Requested:	\$100,000.00
Total Amount Requested	\$100,000.00

Approved CG Cost Ceiling:	No Data Entered
Approved OSLTF/CERCLA Ceiling:	\$100,000.00
Approved Total Ceiling:	\$100,000.00
CG Cost Obligations/Expenditures:	No Data Entered
OSLTF/CERCLA Obligations/Expenditures:	\$21,183.80
Total Obligations/Expenditures:	\$21,183.80
Incident Location:	PELHAM
Incident State:	AL
FOSC Unit:	EPA Region 4
POC/FOSC Name:	CHARLES BERRY
POC/FOSC Email:	<u>BERRY.CHUCK@EPA.GOV</u>
POC/FOSC Phone:	(404)562-8278
POC/FOSC FAX:	No Data Entered
Requesting Unit:	EPA Region 4
Requestor Name:	DEREK HARDY
Requestor Phone:	(202)795-6075
Requestor Email Address(es):	BERRY.CHUCK@EPA.GOV,HARPER.GRE
CGMS Reference:	
Case Officer Name:	Mr. Miguel Bella
Case Officer Phone:	(703)372-6069
Case Officer Cell Phone:	(202)360-6061
Case Officer FAX:	No Data Entered
Case Officer Email:	<u>Miguel.L.Bella@uscg.mil</u>

**To:** McGuire, Jim[McGuire.Jim@epa.gov]; Bates, Lloyd[Bates.Lloyd@epa.gov];  
R4DutyOSC[R4DutyOSC@epa.gov]; Moore, Tony[moore.tony@epa.gov]  
**From:** Masterson, Chris  
**Sent:** Thur 9/15/2016 2:27:54 PM  
**Subject:** FW: E16444 - Update CANAPS Project

---

**From:** AutoResponseCANAPS@uscg.mil  
**Sent:** Thursday, September 15, 2016 10:27:49 AM (UTC-05:00) Eastern Time (US & Canada)  
**To:** Berry, Chuck; Harper, Greg; Masterson, Chris  
**Subject:** E16444 - Update CANAPS Project

CANAPS has processed a CEILING UPDATE REQUEST. However, the amount requested exceeds the current maximum threshold. The maximum amount has been approved. Please contact the NPFC Case Officer identified below during normal business hours (Eastern Time) to discuss the need for additional funds.

If you need to contact someone after business hours (Eastern Time), call the NPFC Case Management Duty Officer (CDO) at (202) 494-9118.

Below is all of the information entered by the requestor or calculated by CANAPS. This Email serves as confirmation that the request has been processed. An official Coast Guard Messaging System (CGMS) message will be automatically generated.

Recipients are reminded that the issuance of this project number and ceiling does not in any way change the authorizations or restrictions in the instructions/guidance for emergency acquisition procedures.

CANAPS Transaction Type:	CEILING UPDATE (ABOVE THRESHOLD)
Project Number:	E16444
Ceiling Update Date:	15 SEP 2016
Incident Date:	09 SEP 2016.
Incident Name:	PELHAM PIPELINE SPILL - E16444
Previous CG Cost Ceiling:	No Data Entered
Previous OSLTF/CERCLA	\$45,000.00

Ceiling:	
Previous Total Ceiling:	\$45,000.00
CG Cost Amount Requested:	No Data Entered
OSLTF/CERCLA Amount Requested:	\$100,000.00
Total Amount Requested:	\$100,000.00
Approved CG Cost Ceiling:	No Data Entered
Approved OSLTF/CERCLA Ceiling:	\$50,000.00
Approved Total Ceiling:	\$50,000.00
CG Cost Obligations/Expenditures:	No Data Entered
OSLTF/CERCLA Obligations/Expenditures:	\$21,183.80
Total Obligations/Expenditures:	\$21,183.80
Incident Location:	PELHAM
Incident State:	AL
FOSC Unit:	EPA Region 4
POC/FOSC Name:	CHARLES BERRY
POC/FOSC Email:	<a href="mailto:BERRY.CHUCK@EPA.GOV">BERRY.CHUCK@EPA.GOV</a>
POC/FOSC Phone:	(404)562-8278
POC/FOSC FAX:	No Data Entered
Requesting Unit:	EPA Region 4
Requestor Name:	GREG HARPER
Requestor Phone:	(404)562-8322
Requestor Email Address(es):	<a href="mailto:BERRY.CHUCK@EPA.GOV">BERRY.CHUCK@EPA.GOV</a> , <a href="mailto:HARPER.GRE@EPA.GOV">HARPER.GRE@EPA.GOV</a>
CGMS Reference:	
Case Officer Name:	Mr. Miguel Bella
Case Officer Phone:	(703)872-6069
Case Officer Cell Phone:	(202)360-6061
Case Officer FAX:	No Data Entered
Case Officer Email:	<a href="mailto:Miguel.L.Bella@uscg.mil">Miguel.L.Bella@uscg.mil</a>

**To:** Buerki, Karen[Buerki.Karen@epa.gov]; Walden, Ted[Walden.Ted@epa.gov]  
**Cc:** Moore, Tony[moore.tony@epa.gov]  
**From:** McGuire, Jim  
**Sent:** Wed 9/14/2016 1:15:29 PM  
**Subject:** FW: ERNS REPORT FOR 0800 09/13/2016 TO 0800 09/14/2016

Karen... make sure you coordinate SPCC inspection with Ted prior to conducting it.

Thanks

Jim

**From:** Harper, Greg  
**Sent:** Wednesday, September 14, 2016 9:12 AM  
**To:** Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** ERNS REPORT FOR 0800 09/13/2016 TO 0800 09/14/2016

**ERNS REPORT FOR 0800 09/013/2016 TO 0800 09/14/2016**

-

**NRC 1158584, Pelham Pipeline Spill, Pelham, Shelby County, Alabama**

Situation Reports (SITREPS) #1, #2, #3 and #4 were previously delivered to the ERNS mailing list. SITREPS will continue to be delivered to the ERNS mailing list by 1800 CDT daily. See <https://www.epaossc.org/pelhamgasolinespill> for the current SITREPS and for additional information.

**NRC 1158880, Country Home Bakers Spill, Atlanta, Fulton County, Georgia**

The spill of soy bean oil occurred on September 12, 2016. On September 13, 2016 the spill was reported to the National Response Center. EPA Phone Duty spoke with Georgia Environmental Protection Division (GAEPD) and the reporting party, the spill was estimated to be 2,000 gallons of soy bean oil. The 6,100 gallon tank had no secondary containment and the soy bean oil flowed into the storm water drain. The reporting party was unsure if the soy bean oil had reached the nearest surface water body. After the GAEPD and OSC arrived on site, the estimated spill volume was reduced 200 gallons and the soy bean oil was determined to be contained in the storm water drain. A cleanup contractor was on site to remove the oil, GAEPD will oversee the clean-up. EPA OSC Buerki demobilized from site and will return to conduct a Spill Prevention, Control and Countermeasures (SPCC) inspection. **Contact OSC Karen Buerki for additional information.**

State	Oil	Haz	Rad	Other	
AL	1	1	0	0	
FL	3	2	0	0	
GA	4	1	0	1	
KY	1	0	0	0	
MS	0	0	0	0	
NC	0	1	0	0	
SC	1	0	0	0	
TN	3	1	0	0	
<b>Total</b>	13	6	0	1	= 20

-

#### **Response Personnel Status**

<b>Duty Officer:</b>	OSC Greg Harper	-
<b>R1:</b>	OSC Chuck Berry	Out
<b>R2:</b>	OSC Karen Buerki	Out
<b>R3:</b>	OSC Jason Booth	Available
<b>Jackson, TN:</b>	OSC Steve Spurlin	Available
<b>Louisville, KY:</b>	OSC Art Smith	Unavailable
<b>Mobile, AL:</b>	OSC Leo Francendese	Unavailable
<b>Raleigh, NC:</b>	OSC Ken Rhame	Available
<b>Tallahassee, FL:</b>	OSC Chris Russell	Available

**National Response Center: 1-800-424-8802**  
**Phone Duty E-Mail: R4DUTYOSC@EPA.GOV**  
**Phone Duty MOBILE #: 404-242-3393**

**To:** Webster, James[Webster.James@epa.gov]  
**Cc:** Moore, Tony[moore.tony@epa.gov]  
**From:** Harper, Greg  
**Sent:** Tue 9/13/2016 3:45:22 PM  
**Subject:** RE: ERNS REPORT FOR 0800 09/12/2016 TO 0800 09/13/2016

Working to get his contact information.

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response Removal and Preparedness Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**From:** Webster, James  
**Sent:** Tuesday, September 13, 2016 11:01 AM  
**To:** Harper, Greg <Harper.Greg@epa.gov>  
**Cc:** Moore, Tony <moore.tony@epa.gov>  
**Subject:** Re: ERNS REPORT FOR 0800 09/12/2016 TO 0800 09/13/2016

Please. Copy Michael Sams (USCG D8) on ERNS and sitreps involving the oil spill chunk is working. Reason being, GST is in D8

Sent from my iPhone

On Sep 13, 2016, at 8:53 AM, Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)> wrote:

**ERNS REPORT FOR 0800 09/012/2016 TO 0800 09/13/2016**

**NRC 1158584, Pelham Pipeline Spill, Pelham, Shelby County, Alabama**

Situation Reports (SITREPS) #1, #2 and #3 were previously delivered to the ERNS mailing list. SITREPS will continue to be delivered to the ERNS mailing list by 1800 EDT daily. See <https://www.epaossc.org/pelhamgasolinespill> for the current SITREPS and for additional information.

State	Oil	Haz	Rad	Other	
AL	2	0	0	1	
FL	3	1	0	0	
GA	0	1	0	0	
KY	0	0	0	0	
MS	0	1	0	0	
NC	2	0	0	0	
SC	1	0	0	0	
TN	1	0	0	0	
Total	9	3	0	1	= 13

**Response Personnel Status**

Duty Officer:	OSC Greg Harper	
R1:	OSC Chuck Berry	Out
R2:	OSC Karen Buerki	In
Jackson, TN:	OSC Steve Spurlin	Available
Louisville, KY:	OSC Art Smith	Unavailable
Mobile, AL:	OSC Leo Francendese	Unavailable
Raleigh, NC:	OSC Ken Rhame	Available
Tallahassee, FL:	OSC Chris Russell	Available

National Response Center: 1-800-424-8802  
Phone Duty E-Mail: [R4DUTYOSC@EPA.GOV](mailto:R4DUTYOSC@EPA.GOV)  
Phone Duty MOBILE #: 404-242-3393

**To:** Harper, Greg[Harper.Greg@epa.gov]  
**Cc:** Moore, Tony[moore.tony@epa.gov]  
**From:** McCullough, Rachel  
**Sent:** Tue 9/13/2016 3:11:03 PM  
**Subject:** RE: ERNS REPORT FOR 0800 09/12/2016 TO 0800 09/13/2016

Could you add the CICs and Serdar to the ERNS distribution list?

They are Kyle Bryant, Abena Ajanaku, Ronald Tolliver, L'Tonya Spencer, and Stephanie Y. Brown. Also, please add Serdar Ertep. This will assist us in responding to ERs more quickly.

Thank you,

**Rachel C. McCullough, Chief**

Investigation & Community Engagement Section

Enforcement & Community Engagement Branch

Superfund Division, U.S. EPA Region 4

[mccullough.rachel@epa.gov](mailto:mccullough.rachel@epa.gov)

(404) 562-8549 office

(404) 955-4470 cell

Follow Region 4 on Twitter: [www.twitter.com/EPASoutheast](https://www.twitter.com/EPASoutheast)

and Facebook: [www.facebook.com/eparegion4](https://www.facebook.com/eparegion4)

**From:** Harper, Greg  
**Sent:** Tuesday, September 13, 2016 8:54 AM  
**Cc:** Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** ERNS REPORT FOR 0800 09/12/2016 TO 0800 09/13/2016

**ERNS REPORT FOR 0800 09/012/2016 TO 0800 09/13/2016**

-

**NRC 1158584, Pelham Pipeline Spill, Pelham, Shelby County, Alabama**

Situation Reports (SITREPS) #1, #2 and #3 were previously delivered to the ERNS mailing list. SITREPS will continue to be delivered to the ERNS mailing list by 1800 EDT daily. See <https://www.epaossc.org/pelhamgasolinespill> for the current SITREPS and for additional information.

State	Oil	Haz	Rad	Other	
AL	2	0	0	1	
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KY	0	0	0	0	
MS	0	1	0	0	
NC	2	0	0	0	
SC	1	0	0	0	
TN	1	0	0	0	
Total	9	3	0	1	= 13

-

**Response Personnel Status**

Duty Officer:	OSC Greg Harper	-
R1:	OSC Chuck Berry	Out
R2:	OSC Karen Buerki	In
Jackson, TN:	OSC Steve Spurlin	Available
Louisville, KY:	OSC Art Smith	Unavailable
Mobile, AL:	OSC Leo Francendese	Unavailable
Raleigh, NC:	OSC Ken Rhame	Available
Tallahassee, FL:	OSC Chris Russell	Available

National Response Center: 1-800-424-8802  
Phone Duty E-Mail: [R4DUTYOSC@EPA.GOV](mailto:R4DUTYOSC@EPA.GOV)  
Phone Duty MOBILE #: 404-242-3393

**To:** McGuire, Jim[McGuire.Jim@epa.gov]; Bates, Lloyd[Bates.Lloyd@epa.gov]; R4DutyOSC[R4DutyOSC@epa.gov]; Moore, Tony[moore.tony@epa.gov]  
**From:** Masterson, Chris  
**Sent:** Sun 9/11/2016 3:02:49 PM  
**Subject:** FW: E16444 - Update CANAPS Project

---

**From:** AutoResponseCANAPS@uscg.mil  
**Sent:** Sunday, September 11, 2016 11:02:43 AM (UTC-05:00) Eastern Time (US & Canada)  
**To:** Masterson, Chris; BATES.LLOYD@EAP.GOV; McGuire, Jim; Moore, Tony  
**Subject:** E16444 - Update CANAPS Project

CANAPS has processed a CEILING UPDATE REQUEST. Below is all of the information entered by the user or calculated by CANAPS. This Email serves as a confirmation that the request has been processed. An official Coast Guard Messaging System (CGMS) message will be automatically generated.

Recipients are reminded that the issuance of this project number and ceiling does not in any way change the authorizations or restrictions in the instructions/guidance for emergency acquisition procedures.

If you need to contact someone after business hours (Eastern Time), call the NPFC Case Management Duty Officer (CDO) at (202) 494-9118.

CANAPS Transaction Type	CEILING UPDATE
Project Number:	E16444
Ceiling Update Date	11 SEP 2016
Incident Date:	09 SEP 2016.
Incident Name:	PELHAM PIPELINE SPILL - E16444
Previous CG Cost Ceiling:	No Data Entered
Previous OSLTF/CERCLA Ceiling:	\$10,000.00
Previous Total Ceiling:	\$10,000.00
CG Cost Amount Requested:	No Data Entered
OSLTF/CERCLA Amount Requested:	\$45,000.00
Total Amount Requested	\$45,000.00

Approved CG Cost Ceiling: No Data Entered

Approved OSLTF/CERCLA  
Ceiling: \$45,000.00

Approved Total Ceiling: \$45,000.00

CG Cost  
Obligations/Expenditures: No Data Entered

OSLTF/CERCLA  
Obligations/Expenditures: \$0.00

Total  
Obligations/Expenditures: \$0.00

Incident Location: PELHAM

Incident State: AL

FOSC Unit: EPA Region 4

POC/FOSC Name: CHARLES BERRY

POC/FOSC Email: No Data Entered

POC/FOSC Phone: (404) 562-8278

POC/FOSC FAX: No Data Entered

Requesting Unit: EPA Region 4

Requestor Name: KEVIN EICHINGER

Requestor Phone: (678) 897-3759

Requestor Email Address(es): MASTERSON.CHRISTOPHER@EPA.GOV,B,

CGMS Reference:

Case Officer Name: Mr. Miguel Bella

Case Officer Phone: (703) 672-6069

Case Officer Cell Phone: (202) 360-6061

Case Officer FAX: No Data Entered

Case Officer Email: [Miguel.L.Bella@uscg.mil](mailto:Miguel.L.Bella@uscg.mil)

**To:** Masterson, Chris[Masterson.Christopher@epa.gov];  
BATES.LLOYD@EAP.GOV[BATES.LLOYD@EAP.GOV]; McGuire, Jim[McGuire.Jim@epa.gov]; Moore,  
Tony[moore.tony@epa.gov]  
**From:** AutoResponseCANAPS@uscg.mil  
**Sent:** Sun 9/11/2016 3:02:43 PM  
**Subject:** E16444 - Update CANAPS Project

CANAPS has processed a CEILING UPDATE REQUEST. Below is all of the information entered by the user or calculated by CANAPS. This Email serves as a confirmation that the request has been processed. An official Coast Guard Messaging System (CGMS) message will be automatically generated.

Recipients are reminded that the issuance of this project number and ceiling does not in any way change the authorizations or restrictions in the instructions/guidance for emergency acquisition procedures.

If you need to contact someone after business hours (Eastern Time), call the NPFC Case Management Duty Officer (CDO) at (202) 494-9118.

CANAPS Transaction Type:	CEILING UPDATE
Project Number:	E16444
Ceiling Update Date:	11 SEP 2016
Incident Date:	09 SEP 2016
Incident Name:	PELHAM PIPELINE SPILL - E16444
Previous CG Cost Ceiling:	No Data Entered
Previous OSLTF/CERCLA Ceiling:	\$10,000.00
Previous Total Ceiling:	\$10,000.00
CG Cost Amount Requested:	No Data Entered
OSLTF/CERCLA Amount Requested:	\$45,000.00
Total Amount Requested:	\$45,000.00
Approved CG Cost Ceiling:	No Data Entered
Approved OSLTF/CERCLA Ceiling:	\$45,000.00
Approved Total Ceiling:	\$45,000.00
CG Cost Obligations/Expenditures:	No Data Entered

OSLTF/CERCLA \$0.00  
Obligations/Expenditures:

Total \$0.00  
Obligations/Expenditures:

Incident Location: PELHAM

Incident State: AL

FOSC Unit: EPA Region 4

POC/FOSC Name: CHARLES BERRY

POC/FOSC Email: No Data Entered

POC/FOSC Phone: (404) 562-8278

POC/FOSC FAX: No Data Entered

Requesting Unit: EPA Region 4

Requestor Name: KEVIN EICHINGER

Requestor Phone: (878) 897-3758

Requestor Email Address(es): MASTERSON.CHristopher@EPA.GOV,B,

CGMS Reference:

Case Officer Name: Mr. Miguel Bella

Case Officer Phone: (703) 872-6069

Case Officer Cell Phone: (202) 360-6061

Case Officer FAX: No Data Entered

Case Officer Email: [Miguel.L.Bella@uscg.mil](mailto:Miguel.L.Bella@uscg.mil)

**To:** Moore, Tony[moore.tony@epa.gov]  
**From:** Harper, Greg  
**Sent:** Mon 9/19/2016 12:01:28 AM  
**Subject:** RE: SITREP 9

thanks

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street: S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**From:** Moore, Tony  
**Sent:** Sunday, September 18, 2016 8:01 PM  
**To:** Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** Re: SITREP 9

No changes .

Sent from my iPhone

On Sep 18, 2016, at 7:55 PM, Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)> wrote:

Any changes? If so I will use your text.

Sent from my iPhone

On Sep 18, 2016, at 7:50 PM, Moore, Tony <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)> wrote:

Check it and send it on

Sent from my iPhone

On Sep 18, 2016, at 7:20 PM, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

<image002.jpg>

## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #9**

1800 CDT, September 18, 2016

#### **INCIDENT SUMMARY**

On September 9, 2016, at 1359 hours CDT, Colonial Pipeline Company (CPC) reported a gasoline spill from a 36" below ground pipeline to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River).

CPC initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond. The spill volume has since been updated to between 6,000 barrels [bbls] and 8,000 bbls (252,000 gallons – 336,000 gallons).

Alabama Department of Environmental Management (ADEM) and Environmental Protection Agency (EPA) have integrated into Unified

Command and are coordinating with State and County Agencies. An Incident Command Post is being operated out of Pelham, Alabama.

### **INCIDENT MANAGEMENT AND STAFFING**

OSC Kevin Eichinger remains integrated into Unified Command.

OSCs, the United States Coast Guard (USCG) Gulf Strike Team (GST) and the Superfund Technical Assessment and Response Team (START) are embed in the Operations Sections.

START is embedded in the Environmental Unit.

EPA Public Affairs Specialist and a Public Information Officer are also assigned to the Joint Information Center (JIC).

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

Current number START Personnel: 3

Total number of response Personnel: 743

### **CURRENT RELEASE AND RECOVERY ESTIMATES**

Current Release Estimate – 6,000 bbl to 8,000 bbls

Recovery/Loss to the Environment Volumes:

Fuel/Waste Recovery	Volume Since Last SITREP	Total Volume to Date
Recovered from Pond #2	To be reported*	85,976 gallons*
Loss to the Environment due to Evaporation	28,335 gallons	257,375 gallons
Bond in the Soil	TBD	TBD
Petroleum Contact Water		242,155 gallons*
Petroleum Contaminated Soil		40 tons

Notes:

\* Product recovery activities did occur this operational period. Crews were unable to provide product recovery number before the 1600 meeting.

## **CURRENT OPERATIONS**

### **1) Product Recovery and Removal**

- [REDACTED] OSC Eichinger participated in an overflight and assessed the Cahaba River and site operations. No sheen was observed on the Cahaba.
- [REDACTED] Crews continues to evaluate plugging the culvert between Pond 2 and Pond 3. OSC Garrard oversaw and provided support as they sent a camera in the area to determine the best method to seal it; however, the camera was unable to find the culvert. Unified Command will explore other methods to look for it.
- [REDACTED] OSC Garrard is working with Operations to evaluate potential options for controlling source material at leak site prior to discharging to Pond 2.
- [REDACTED] A fuel/water mixture continues to drain out of the leak site to Pond 2. As of this morning, the quantity has been reduced to approximately 1 quart per minute. The fuel to water ratio is estimated at 20%, respectively.
- [REDACTED] Visual observations indicate gasoline on Pond 2 covers approximately one third of the pond and thickness to be approximately 1-inch, where it pooled (see photo below).
- [REDACTED] Operations continued to recover product from Pond 2. Product recovery occurred at two points, the southwestern portion of the Pond (2a) and northeast portion of the Pond (2b). Skimmers capture free product from Pond 2.

Vacuum trucks from 2b are transferring recovered product to four storage tanks at staging 2b. There are two storage tanks at staging 2a, to contain recovered product in that area. This evening, Boom was placed across Pond 2 to keep the pooled product in the northeast portion of the pond contained in that area.

- Pipeline draining activities continue at stopple 2.
- Excavation did not occur during this reporting period.
- Inclement weather caused activities to shut down for a period of time this morning.
- Installation of an additional underflow dam in Peel Creek, approximately 200 feet southeast of the Cahaba River is progressing. Operations anticipates completion tomorrow.

## **2) Environmental Sampling and Impacts**

### **a. Air Monitoring**

- Work interruptions continue due to excessive benzene and LEL readings. Today's VOC's peaked at 768 parts per million (ppm) at the 2a recovery; benzene peaked at 5.7 ppm at the 2a recovery; and LEL peaked at 8% at stopple 2.
- One START member continues to conduct oversight of air monitoring activities.

### **b. Surface Water**

- One START member continues to collect split surface water samples with CPC. START obtained split samples from Pond 3, Peel Creek, and the Cahaba River in coordination with the Cahaba River Keeper and CPC's environmental consultant.
- An EPA OSC and START kayaked the Cahaba River from the confluence of the with Peel Creek to approximately 2 miles down streams. Water samples were collected. No sheen was observed on the River.
- EPA received preliminary water sample data for September 16 and 17, 2016. Laboratory analytical results reveal the presence of site specific

constituents in concentrations similar to CPC's data. The surface water sample collected at the confluence of Peel Creek and the Cahaba River on September 16, 2016 contained total petroleum hydrocarbon (TPH) gasoline range organics (GRO) at an estimated concentration of 0.064 milligrams per kilogram (mg/kg). This detection is low and may not be related to the spill. Subsequent sampling at this location did not identify site specific constituents above the laboratory reporting limit. EPA will continue to collect surface water samples in the area and monitor for any changes.

- The sample collected at this location the following day did not detect any site specific constituents above the laboratory reporting limit.

#### c. Wildlife Impacts

- The CPC environmental consultant is responsible for identifying and documenting impacted wildlife. During this operation period, teams identified one dead otter, one dead duck, and three dead turtles. Federal Fish and Wildlife visited the site to identify the duck species and determined it was a hen wood duck.

- To date, seven mammals including a rabbit, two raccoons, one fox, one coyote, one otter, and one armadillo have been impacted; four reptiles (turtle) has been impacted; and two birds (a duck and one white bird) have been impacted. The white bird remains in a restricted area and teams have not been able collect it; however, it is assumed to be an egret.

### 3) Health and Safety Oversight

- EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard, OSC Tripp, and two GST members continue to provide oversight of site safety and monitor the operations progress.
- Two GST members continue to observe night operations.
- The Federal Aviation Administration (FAA) continues to maintain an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

### 4) Restoration of Services

- ████████ CPC continues to stage material and prepare for pushing the pig through the pipe to remove the remaining product. Operation is currently planned for the next operational period (tomorrow, 9/19/2016)
- ████████ CPC continues to implement the plan to install an approximate 1,000-foot section of pipe to by-pass the leak site. This plan was developed with the input of Pipeline and Hazardous Materials Safety Agency (PHMSA). Once installed, the pipeline can resume service.
- ████████ Crews continue work to excavate and level the route for the bypass line and stage pipe. CPC has reported in the media that pipeline service will be restored by September 23, 2016.

## **5) Remediation Planning**

- ████████ Plans continue to be developed and will be reviewed by UC when ready.
- ████████ CPC is working to identify livestock access and potential use of the Cahaba River for crop irrigation.

## **6) Emergency Fuel Waiver**

- ████████ CPC requested a waiver of the prohibition for commingling provisions [found in 40 C.F.R. § 80.78(a)(7) ] that prohibits any person from combining any reformulated gasoline blendstock for oxygenate blending with any other gasoline, blendstock, or oxygenate, unless certain conditions are met. The waiver request was issued on September 16, 2016 and will expire October 6, 2016, EPA issued an emergency fuel waiver of the reformulated gasoline (RFG) requirements in Alabama, Delaware, Georgia, Kentucky, Maryland, Mississippi, New Jersey, North Carolina, South Carolina, Tennessee, Virginia and the District of Columbia. If there is any change or addition to the waiver status it will be noted in the SITREP.

## **PLANNED RESPONSE ACTIVITIES**

Inclement weather may impact night ops but is not expected during the next operation period. The following activities are planned during the next operation period:

- ████████ Continue to participate in UC
- ████████ Monitor removal activities
- ████████ START will continue to collect additional split surface water samples with the CPC environmental contractor and the Cahaba River Keeper. Water samples will be collected from Pond #2.
- ████████ START will continue to monitor CPC's air monitoring efforts
- ████████ Participate in the Joint Information Center
- ████████ Prepare for and coordinate a transition to a removal phase
- ████████ CPC will pre-stage oil containment booms on the Cahaba River
- ████████ Continue to install the additional underflow dam near the confluence of Peel Creek and the Cahaba River
- ████████ Pre-stage aeration equipment along Peel Creek.
- ████████ Complete pipeline bypass and restore service.
- ████████ Continue recovery of fuel from Pond 2
- ████████ Continue removal of fuel from the plugged pipeline
- ████████ The FAA will be contacted to extend the no-fly over the site

### **SITUATIONAL REFERENCE MATERIAL**

<image003.jpg>

Aerial photographic taken today. Pond #3 is on the left; Pond #2 is on the right. Fuel has

been confined to the upper 1/3 of the pond.

<image005.png>**Overview of EPA Surface Water Sampling Locations**

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4 | 61 Forsyth St SW | Atlanta, Georgia | 30303**

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | [epaossc.org](http://epaossc.org)

<Pelham\_Pipeline\_Spill\_SITREP\_9\_09182016\_Draft.docx>



**To:** Moore, Tony[moore.tony@epa.gov]  
**From:** Harper, Greg  
**Sent:** Sat 9/17/2016 11:55:46 PM  
**Subject:** RE: Sitrep 8

You are welcome

Gregory L. Harper  
EPA On-Scene Coordinator  
U.S. Environmental Protection Agency, Region 4  
Emergency Response and Removal Branch, 11th Floor  
61 Forsyth Street. S.W.  
Atlanta, Georgia 30303  
Office (404) 562-8322  
[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**From:** Moore, Tony  
**Sent:** Saturday, September 17, 2016 7:50 PM  
**To:** Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** Re: Sitrep 8

Incorporate yours into mine. Thanks and good job

Sent from my iPhone

On Sep 17, 2016, at 7:46 PM, Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)> wrote:

Do you want me to forward my edits or incorporate my into your's?

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**From:** Moore, Tony

**Sent:** Saturday, September 17, 2016 7:34 PM

**To:** Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)>

**Subject:** Re: Sitrep 8

Ignore that one

Sent from my iPhone

On Sep 17, 2016, at 7:17 PM, Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)> wrote:

Thanks

Sent from my iPhone

On Sep 17, 2016, at 7:16 PM, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

Here's the text. We are including a map and pict so I will get you the doc shortly:

### **INCIDENT SUMMARY**

On September 9, 2016, at 1359 hours CDT, Colonial Pipeline Company (CPC) reported a gasoline spill from a 36" below ground pipeline to the National Response Center. The gasoline traveled overland for approximately 500 feet to a

pond that feeds into Peel Creek (which is a tributary of the Cahaba River).

CPC initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond. The spill volume has since been updated to between 6,000 barrels [bbls] and 8000 bbls (252,000 gallons – 336,000 gallons).

Alabama Department of Environmental Management (ADEM) and Environmental Protection Agency (EPA) have integrated into Unified Command and are coordinating with State and County Agencies. An Incident Command Post is being operated out of Pelham, Alabama. The spill location is located in a remote area. The nearest residential neighborhood and commercial area is located two miles from the spill location.

#### **INCIDENT MANAGEMENT AND STAFFING**

OSC Chuck Berry integrated into Unified Command initially and demobilize on September 17, 2016. OSC Kevin Eichinger resumed EPA's position in Unified Command.

OSCs, the United States Coast Guard (USCG) Gulf Strike Team (GST) and the Superfund Technical Assessment and Response Team (START) are embed in the Operations Sections.

An OSC and START are embed in the Environmental Unit.

EPA Public Affairs Specialist and a Public Information Officer are also assigned to the Joint Information Center (JIC).

Current number of EPA Personnel Assigned: 5

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

Current number START Personnel: 3

Total number of response Personnel: 739

## **CURRENT RELEASE AND RECOVERY ESTIMATES**

Current Release Estimate – 6000 bbl to 8000 bbls

Recovery/Loss to the Environment Volumes:

<b>Fuel/Waste Recovery</b>	<b>Volume Since Last SITREP</b>	<b>Total Volume to Date</b>
Recovered from Pond #2	200 gallons	85,976 gallons
Loss to the Environment due to Evaporation	28,335 gallons	229,040 gallons
Bond in the Soil	TBD	TBD
Petroleum Contact Water		242,155 gallons

## **CURRENT OPERATIONS**

### **1) Product Recovery and Removal**

- A 6-inch pipe was observed to discharge water from Pond 3; however, flow was restricted likely due to a blockage. CPC has installed a plug in the 6-inch pipe attached to Pond 3 to help reduce the potential of petroleum impacted water being released. The water level was measured before installation and 24-hours after installation of the plug. Installation of the plug caused the water level to rise approximately 1-inch.

- CPC continues to evaluate plugging the culvert between Pond 2 and Pond 3. They intend to send a camera in the area tomorrow to determine the best method to seal it.

- CPC completed the new soil staging area last night and moved the excavated pile (generated during the previous operational period) to the new location. EPA advised CPC to have a secondary storage area ready in the event

additional soil is excavated.

- Elevated benzene and lower explosive limit (LEL) continues to hinder progress. Minimal excavation occurred overnight due to elevated LEL and benzene readings at the leak site. CPC has excavated an estimated 40 tons of soil. Local firefighters continued to use a vapor suppressant agent during excavation activities.

- Due to health and safety reasons, product recovery operations shut down while excavation occurs at the leak site. As excavation activities break or suspend due to elevated LEL and benzene levels, product recovery operations resume in Pond 2. Product recovery occurs at two points, southwestern portion of the Pond (2a) and northeast portion of the Pond (2b). CPC primarily used drum skimmers to capture free product from Pond 2. Vacuum trucks from 2b are transferring recovered product to 4 storage tanks at staging 2b. There are 2 storage tanks at staging 2a where they are recovering product from recovery point 2a. Excavation activities and elevated LEL and benzene levels limited product recover efforts today.

- Inclement weather caused activities to shut down for a period of time.

- Visual observations indicate gasoline thickness on Pond 2 to be approximately 1-inch.

## **2) Environmental Sampling and Impacts**

### **a. Air Monitoring**

- Work interruptions continue due to excessive benzene and LEL readings. Today's VOC's peaked at 270 parts per million (ppm) at the 2a compressor; benzene peaked at 2.4 ppm at the release site; and LEL peaked at 26% at stopple 2.

- Two START members continue to conduct oversight of air monitoring activities.

### **b. Surface Water**

- Two START members continue to collect split surface water samples with CPC. Split samples were collected from the Cahaba River in coordination with the Cahaba River Keeper and CPC's environmental consultant. START was unable to collect split samples from Pond 3 and Peel Creek due to excavation at

the leak site; however, CPC's environmental consultant had a crew in the area and was able to collect samples from this area. Preliminary EPA water sample data should be received tonight.

**c. Wildlife Impacts**

- The CPC environmental consultant is responsible for identifying and documenting impacted wildlife. To date, five mammals including a rabbit, two raccoons, one fox, and one armadillo have been impacted; one reptile (turtle) has been impacted; and one white bird has been impacted. The bird is located in a restricted area and teams have not been able to get to it. No additional impacted wildlife was reported during this operation period.

**3) Health and Safety Oversight**

- EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard, OSC Tripp, and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

- The Federal Aviation Administration (FAA) continues to maintain an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

**4) Restoration of Services**

- CPC requested a waiver of the prohibition for commingling provisions are found in 40 C.F.R. § 80.78(a)(7) that prohibits any person from combining any reformulated gasoline blendstock for oxygenate blending with any other gasoline, blendstock, or oxygenate, unless certain conditions are met. The waiver request was issued on September 16, 2016 and will expire October 6, 2016.

- CPC continues to stage material and prepare for pushing the pig through the pipe to remove the remaining product. This process is anticipated to begin on Sunday afternoon and will be complete Monday morning.

- CPC continues to implement the plan to install an approximate 1,000 foot section of pipe to by-pass the leak site. This plan was developed with the

input of Pipeline and Hazardous Materials Safety Agency (PHMSA). Once installed, the pipeline can resume service.

#### **5) Remediation Planning**

- Plans continue to be developed and will be reviewed by IC when ready.
- The City of Helena operates the closest drinking water well. It is located approximately 5 miles from the release site. City Helena Utilities is conducting well water sampling for the constituents found in gasoline.

#### **PLANNED RESPONSE ACTIVITIES**

Inclement weather is expected again during the next operation period which may affect planned activities. The following activities are planned during the next operation period:

- Continue to participate in UC
- Monitor removal activities
- START will continue to collect additional split surface water samples with the CPC environmental contractor and the Cahaba Riverkeeper
- START will continue to monitor CPC's air monitoring efforts
- Monitor safety air monitoring
- Participate in the Joint Information Center
- Prepare for and coordinate a transition to a removal phase
- CPC will pre-stage oil containment booms on the Cahaba River
- Install an additional underflow dam near the confluence of Peel Creek and the Cahaba River

- Pre-stage aeration equipment along Peel Creek.
- Complete pipeline bypass and restore service.
- Continue recovery of fuel from Pond 2
- Continue removal of fuel from the plugged pipeline

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

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**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | [epaossc.org](http://epaossc.org)

**To:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Moore, Tony  
**Sent:** Fri 9/16/2016 11:29:30 PM  
**Subject:** Re: SITREP #7

Minor corrections made, good to go

Sent from my iPhone

On Sep 16, 2016, at 7:04 PM, Harper, Greg <Harper.Greg@epa.gov> wrote:

Tony,

I have not read this yet, I have a spill notification I have to work. If you will read and edit I will send it out to everyone.

Thank you,  
Greg

Sent from my iPhone

Begin forwarded message:

**From:** "Eichinger, Kevin" <Eichinger.Kevin@epa.gov>  
**Date:** September 16, 2016 at 6:48:23 PM EDT  
**To:** "Harper, Greg" <Harper.Greg@epa.gov>  
**Subject:** SITREP #7

-

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline Company (CPC) reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to CPC was made by a state mining inspector; however no volume estimate was provided at the time. CPC initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond. The spill volume has since been updated to between 6,000 barrels [bbls] and 8000 bbls (252,000 gallons – 336,000 gallons).

The local fire department responded and established a secured zone around the spill site. Local responders detected hazardous conditions due to potentially explosive vapor concentration around the spill location. Shelby County Emergency Management responded and confirmed that no public or private drinking water sources are currently threatened by the spill.

Alabama Department of Environmental Management (ADEM) and Environmental Protection Agency (EPA) have integrated into Unified Command and are coordinating with State and County Agencies. An Incident Command Post is being operated out of Pelham, Alabama. The spill location is located in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

CPC confirmed that the impacted transmission line is shut down. Environmental contractors for CPC are on site to conduct air monitoring and remediation activities. Delays to remediate the spill routinely occur due to elevated concentrations of volatile organic compounds (VOC), specifically benzene, and explosive vapors exceeding the lower explosive limit (LEL).

EPA consulted with the Department of Interior (DOI) and the State of Alabama to identify threatened and endangered (T&E) species in the area of the spill. To EPA's knowledge, no impacts to T&E species have been reported at this time; however, field crews have noted minimal impacts to wildlife in the spill area.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, CPC, ADEM, and Shelby County. OSC Berry will demobilize on September 17, 2016. OSC Kevin Eichinger will assume EPA's position in Unified Command. OSC Garrard, OSC Tripp and four US Coast Guard Gulf Strike Team members remain deployed to assist with field observations. OSC Stilman remains deployed to assist in the Environmental Unit. Kerisa Coleman, a Region 4 public affairs specialist, arrived September 16, 2016 to assist in the Joint Information Center (JIC).

Current number of EPA Personnel Assigned: 6

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

Current number START Personnel: 3

-

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

A 6-inch pipe was observed discharging water from Pond 3; however flow was restricted and likely due to a blockage. CPC has installed a plug in the pipe to reduce the potential of petroleum impacted water being released.

The elevated benzene and LEL continue to be the greatest limiting factor to recovery operations. CPC contractor, Center for Toxicology and Environmental Health, LLC (CTEH), remain on site providing air monitoring services. CTEH continues monitoring air quality in the work zones and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excessive benzene and LEL readings. Today's VOC exceedance levels range from 0 – 1,351.3 (Pond 2a compressor) parts per million (ppm). The exceedances from benzene range 0.05 – 3 (release site) ppm. LEL exceedance levels range from 0% - 10% (Release site).

CPC has managed to recover approximately 286,481 gallons of fuel and 233,228 gallons of mixed oil/water to date.

CPC performed an mass balance calculation and determined an estimated volume of 252,000 gallons of fuel was discharged. That number has been revised to an estimated 336,000 gallons. They estimate 200,705 gallons of fuel evaporated as of 9/16/16. These numbers are approximate and CPC will perform a final mass balance after product recovery activities are complete.

Diversions designed for Pond 3 include a weir and two underflow dams (at the Pond outfall). CPC continues to monitor Pond 3. No oil sheening has been seen along the shoreline on Pond 3. Unified Command (UC) will be notified if any petroleum is observed. OSC Garrard, along with the Gulf Strike Team (GST) and CPC personnel identified additional locations along Peel Creek for potential placement of an additional underflow dam. CPC has agreed to reserve material to construct these features. CPC has estimated a 10-hour construction time for this final structure. To facilitate access, CPC completed construction of an access road along the entire length of Peel Creek.

No adverse weather impacts are expected for the next operational period.

EPA/GST remain incorporated into Operations Section and air monitoring activities. OSC Garrard, OSC Tripp, and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

Kerisa Coleman is representing EPA in the Joint Information Center (JIC).

The Federal Aviation Administration (FAA) continues to maintain an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

Two START members continue the collection of split surface water samples with CPC and conducting oversight of air monitoring activities. Split samples were collected from Pond 3 and confluence of Peel Creek and Cahaba River. In addition, a third START is providing ICS support.

EPA approved the vapor suppression plan and evacuation plan; subsequently, excavation in the area of the damaged pipe began at 1530 this afternoon. Local firefighters used a vapor suppressant agent during excavation activities.

- ☐ Continue to participate in UC

- Monitor removal activities
- Monitor safety air monitoring
- Participate in the Joint Information Center
- Prepare for and coordinate a transition to a removal phase
- Perform water sampling

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4 | 61 Forsyth St SW | Atlanta, Georgia | 30303**

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | [epaossc.org](http://epaossc.org)

<Pelham\_Pipeline\_Spill\_SITREP\_7\_09162016\_DRAFT.docx>

**To:** Moore, Tony[moore.tony@epa.gov]  
**From:** Harper, Greg  
**Sent:** Fri 9/16/2016 11:04:00 PM  
**Subject:** Fwd: SITREP #7  
Pelham Pipeline Spill SITREP 7 09162016 DRAFT.docx  
ATT00001.htm

Tony,

I have not read this yet, I have a spill notification I have to work. If you will read and edit I will send it out to everyone.

Thank you,  
Greg

Sent from my iPhone

Begin forwarded message:

**From:** "Eichinger, Kevin" <Eichinger.Kevin@epa.gov>  
**Date:** September 16, 2016 at 6:48:23 PM EDT  
**To:** "Harper, Greg" <Harper.Greg@epa.gov>  
**Subject:** SITREP #7

-

#### **INCIDENT DESCRIPTION**

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## **REPORTING SCHEDULE**

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## **CURRENT OPERATIONS**

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EPA approved the vapor suppression plan and evacuation plan; therefore excavation in the area of the damaged pipe began at 15:30 this afternoon. Local firefighters used a vapor suppressant agent during excavation activities.

Product recovery operations continue in Pond 2 at two points, southwestern portion of the Pond (2a) and northeast portion of the Pond (2b). CPC primarily used drum skimmers to capture free product from Pond 2. Vacuum trucks from 2b are transferring recovered product to 4 storage tanks at staging 2b. There are 2 storage tanks at staging 2a where they are recovering product from recovery point 2a.

There are currently 14 storage tanks at the main staging area. Visual observations indicate gasoline thickness on Pond 2 to be approximately 1-inch.

**There are approximately 721 response worker onsite.**

The CPC environmental consultant is responsible for identifying and documenting impacted wildlife. To date, four mammals including a rabbit, two raccoons, one fox, and one armadillo have been impacted; one reptile (turtle) has been impacted; and one white bird has been impacted. The bird is located in a restricted area and teams have not been able to get to it.

A Regional Response Team (RRT4) call was held today to update RRT4 members.

See <https://helena.colonialresponse.com/> for information on related to restoration of service.

## PLANNED RESPONSE ACTIVITIES

The EPA OSC has requested that START collect additional surface water samples with the Cahaba Riverkeeper. START will collect the samples during the next operational period. START and OSC Stilman will continue to monitor CPC's sampling and monitoring efforts. The following activities remain unchanged and continue during the response efforts:

- ☐☐☐☐☐ Continue to participate in UC
- ☐☐☐☐☐ Monitor removal activities
- ☐☐☐☐☐ Monitor safety air monitoring
- ☐☐☐☐☐ Participate in the Joint Information Center
- ☐☐☐☐☐ Prepare for and coordinate a transition to a removal phase
- ☐☐☐☐☐ Perform water sampling

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4 | 61 Forsyth St SW | Atlanta, Georgia | 30303**

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | [epaosc.org](http://epaossc.org)

**To:** Kemker, Carol[Kemker.Carol@epa.gov]  
**Cc:** Moore, Tony[moore.tony@epa.gov]; Hill, Franklin[Hill.Franklin@epa.gov]; Davis, Anita[Davis.Anita@epa.gov]; Gettle, Jeanneanne[Gettle.Jeanneanne@epa.gov]  
**From:** Webster, James  
**Sent:** Fri 9/16/2016 1:20:19 AM  
**Subject:** Re: EOC Spot Report: Region 4, Colonial Pipeline Spill, Pelham, AL (NRC # 1158584) – Update #5

Thank u so much.

Sent from my iPhone

On Sep 15, 2016, at 9:19 PM, Kemker, Carol <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)> wrote:

Will do.

Sent from my iPhone

On Sep 15, 2016, at 8:59 PM, Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

It's ok tony.

Carol,  
Can we loop superfund in on requests as they come in?

Sent from my iPhone

On Sep 15, 2016, at 8:51 PM, Moore, Tony <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)> wrote:

This is my first hearing of a TN waiver

Sent from my iPhone

On Sep 15, 2016, at 8:49 PM, Hill, Franklin <[Hill.Franklin@epa.gov](mailto:Hill.Franklin@epa.gov)> wrote:

Sent from my iPhone

Begin forwarded message:

**From:** "Meiburg, Stan" <[Meiburg.Stan@epa.gov](mailto:Meiburg.Stan@epa.gov)>  
**Date:** September 15, 2016 at 6:46:22 PM EDT

**To:** "Heard, Anne" <[Heard.Anne@epa.gov](mailto:Heard.Anne@epa.gov)>, "Lapierre, Kenneth" <[Lapierre.Kenneth@epa.gov](mailto:Lapierre.Kenneth@epa.gov)>, "Hill, Franklin" <[Hill.Franklin@epa.gov](mailto:Hill.Franklin@epa.gov)>, "Kemker, Carol" <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)>, "Wilkes, Mary" <[Wilkes.Mary@epa.gov](mailto:Wilkes.Mary@epa.gov)>  
**Subject:** Fwd: EOC Spot Report: Region 4, Colonial Pipeline Spill, Pelham, AL (NRC # 1158584) – Update #5

Note: this SITREP did not include, but should have, the associated request by TN for an RVP waiver.

Stan

Sent from my iPhone

Begin forwarded message:

**From:** "Eoc, Epahq" <[Eoc.Epahq@epa.gov](mailto:Eoc.Epahq@epa.gov)>  
**Date:** September 15, 2016 at 11:59:56 AM CDT  
**To:** "Eoc, Epahq" <[Eoc.Epahq@epa.gov](mailto:Eoc.Epahq@epa.gov)>  
**Subject:** EOC Spot Report: Region 4, Colonial Pipeline Spill, Pelham, AL (NRC # 1158584) – Update #5

**This report is being sent as a bcc to prevent accidental Reply to All messages.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

<image001.png>

**EOC Spot Report: Region 4, Colonial Pipeline  
Spill into Pond Near Peel Creek, Pelham, AL  
(NRC # 1158584) – Update #5**

## **US Environmental Protection Agency**

**Report as of 1300 ET on 09/15/2016**

**Overview:** On September 9<sup>th</sup> at 1449 ET, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek, a tributary of the Cahaba River. An estimated 6,000 barrels of gasoline (253,000 gallons) have been discharged as a result of the leak. The spill location is in a remote location so no evacuations are necessary. The nearest residential neighborhood is located two miles away.

Colonial Pipeline crews continue to prepare the affected pipeline segment for excavation and repair while cleaning up the spill. Colonial Pipeline continues to collaborate with local, state and federal agencies, including the Environmental Protection Agency, Shelby County Emergency Management Agency, Helena Fire Department, Pelham Fire Department, and others in connection with the response. As a precautionary measure, airspace above the release location has been restricted to further protect responders, personnel and the public. According to the FAA, the restriction will remain in effect until 9/18/16.

Colonial has removed approximately 178,217 gallons of liquid from Pond 2. Of that volume, 48,125 gallons of oil have been separated and 130,092 gallons of mixed oil/water remain. Colonial established a pumping area on the north end of the pond where vapor levels were lower. Vacuum trucks continue to pump from this location. Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The high level of explosive vapors is the greatest limiting factor to recovery operations. Colonial contractor CTEH is on site providing air monitoring services. All personnel entering the hot zone are required to have flame resistant clothing and an air monitoring escort. Action levels for benzene, VOCs and explosive vapors have been established.

The diversions designed for Pond 3 are in place, which include a substantial underflow dam at the pond's outfall. No oil sheening is visible along the shoreline at Pond 3. Colonial continues to monitor the pond and will notify Unified Command if any petroleum is observed.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The Shelby County Emergency Management Association (EMA) responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State- and County-level agencies. An Incident Command post was established in Hoover, Alabama. United States Coast Guard (USCG) Gulf Strike Team (GST) members have been assisting with health and safety oversight and response operations.

**EPA Actions:** Four EPA Region 4 personnel and 4 USCG Strike Team Members are currently deployed to assist with the response and are integrated into Unified Command. EPA and USCG GST members are incorporated into air monitoring efforts. A Community Involvement Coordinator (CIC) is assisting at the Joint Information Center (JIC). The JIC set up two interviews with all members of UC. The Birmingham, AL news outlets were WBRC and [AL.com](http://al.com). At this time, a Regional Response Team 4 (RRT4) activation is not planned. A Natural Resources Trustee consultation was held with a Region 4 Department of Interior representative. Threatened and endangered species in the area of the spill have been identified but are not impacted. Due to the ongoing response efforts, the EPA OSC will make a request to the

National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

**Media Interest:** Low (local)

[http://www.al.com/news/index.ssf/2016/09/pipeline leak spilled an estim.html](http://www.al.com/news/index.ssf/2016/09/pipeline_leak_spilled_an_estim.html)

**The HQ EOC will continue to monitor and provide updates as needed.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

Eugene Lee, Senior Watch Officer

U.S. Environmental Protection Agency

Headquarters Emergency Operations Center

1200 Pennsylvania Ave

Washington, DC 20004

202-564-3850

<mailto:eoc.epahq@epa.gov>



**To:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Moore, Tony  
**Sent:** Fri 9/16/2016 12:39:41 AM  
**Subject:** Re: SITREP #6

Good to go

Sent from my iPhone

On Sep 15, 2016, at 8:22 PM, Harper, Greg <Harper.Greg@epa.gov> wrote:

<image002.jpg>

## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #6**

1800 CDT, September 15, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by a state mining inspector, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has since been updated in NRC Reports to 252,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) and EPA have integrated into Unified Command and are

coordinating with State and County Agencies. An Incident Command Post is being operated out of Pelham, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of explosive vapors and volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Consult with the Department of Interior and the State of Alabama identified threatened and endangered (T&E) species in the area of the spill. However, no T&E species have been reported impacted from the spill, although several common species have been impacted.

The appropriate members were engaged during the initial response notification process. The following members were part of the initial notification: ADEM; Department of the Interior (DOI); and United States Environmental Protection Agency (USEPA). A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard, OSC Tripp and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. OSC Stilman has been deployed to assist with Incident Command. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

Current number START Personnel: 3

## **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

## **CURRENT OPERATIONS**

Both stopples are in place. Colonial has ceased recovering product from the line as the nitrogen displacement has reached its maximum efficacy. Colonial has developed a displacement plan to use water to displace the remainder of the fuel. Activities for this operations are estimated to be ready by Saturday. Fuel continues to leak from the break, but at a much reduced rate.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remain on site providing air monitoring services. CTEH continues monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excessive benzene and LEL readings. Today's VOC exceedance levels range from 30 - 2,699 parts per million (ppm). The exceedances from benzene range 0.6 - 18 ppm. LEL exceedance levels range from 10% - 196%.

Colonial has managed to remove approximately 233,614 gallons of liquid from Pond 2. Of that volume 58,461 gallons of fuel has been recovered and 175,531 gallons of mixed oil/water remain in frac tanks.

Colonial performed an initial mass balance calculation and determined an estimated volume of 252,000 gallons of fuel was discharged. They are estimating 180,634 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. OSC Garrard, OPS, was on site in the morning exploring areas along Peel Creek with GST and Colonial personnel for potential placement of an additional underflow dam. Additional locations

were identified, and Colonial has agreed to reserve material to construct these features. Additionally, Colonial has estimated a 10-hour construction time for this final structure. To facilitate access, Colonial is building an access road along the entire length of Peel Creek.

No adverse weather impacts are expected for the next operational period.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard, OSC Tripp, and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney remains integrated with the JIC. One CIC is mobilizing to the site tomorrow. OSC Berry provided one telephone interview to the local NBC affiliate this afternoon.

The fire chief deemed the transfer of product from the pipeline to frac tanks was too high-risk, therefore operations were changed to direct tanker transfer. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-load.

The Federal Aviation Administration continues to maintain an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

OSC Tripp was on-site performing an observation of all operation areas with GST most of the day. The county sheriff's office was patrolling the site air space by helicopter to enforce the air restriction put in place by the FAA. During the night there was a drone being flown over the site by an unknown operator.

Two START members arrived on-scene to assist with surface water and sediment sampling operations. OSC Stilman mobilized in this morning as the Deputy IC for EPA and provided comments to the Surface water and sediment sampling plan. An additional START member is mobilizing in tonight to provide ICS support.

Work-site operations were ceased overnight due to increased VOCs, LEL, and benzene levels from 0230-0500. A temporary site-wide evacuation was ordered at 0300 due to elevated levels at the main staging area. Operations at the Stopples and the pond did not commence until 0830. Vapor scrubber units were switched out for a liquid vapor scrubber unit. Due to high LEL, the Unified Command has developed a Vapor Suppression Plan and a Site Evacuation Plan. Vapor suppression foam, F-500, will be used to allow for the soil excavation around the pipeline to continue.

Recovery operations are occurring at two points 2a and 2b. Vacuum trucks from 2b are transferring recovered product to 4 frac tanks at staging 2b. There are 2 frac tanks at staging 2a where they are recovering product from recovery point 2a.

There are currently 14 frac tanks at the main staging area. Visual observations indicate gasoline thickness on pond 2 to be 1-1.5 inches at recovery point 2b, less than 0.10 inch at recovery point 2a.

Colonial is implementing a backup plan for restoration of service by constructing a bypass around the leak. The use of this will be determined by the difficulties found during the success and timing of the water displacement plan and excavation of the break. Colonial has given a tentative restoration time of late next week.

## PLANNED RESPONSE ACTIVITIES

Due to the ongoing response efforts and unknown timelines, the EPA OSC made a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

The EPA OSC has requested an additional START contractors to assist with Incident Command Post Operations. START and OSC Stilman will continue to monitor Colonial Pipeline's sampling and monitoring efforts.

- ☐ Continue to participate in UC

- Monitor removal activities
- Monitor safety air monitoring
- Participate in the Joint Information Center
- Prepare for and coordinate a transition to a removal phase
- Perform water sampling
- Finalize Surface Water and Sediment Sampling Plan
- Finalize Vapor Suppression Plan
- Finalize Site Evacuation Plan

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**To:** Alexander, Malik[Alexander.Malik@epa.gov]  
**From:** Moore, Tony  
**Sent:** Thur 9/15/2016 6:28:04 PM  
**Subject:** Pelham\_Pipeline\_Spill\_SITREP\_5\_09142016.docx  
Pelham Pipeline Spill SITREP 5\_09142016.docx  
ATT00001.txt





**NRC 1158584, Pelham Pipeline Spill**  
**Pelham, Shelby County, Alabama**  
**SITUATION REPORT #5**  
1800 CDT, September 14, 2016

**INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

**INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

OSC Garrard was mobilized to the site to overlap with OSC Williamson today, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader. OSC Williamson demobilized during this operational period.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increase the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 41% range.

Colonial has managed to remove approximately 178,217 gallons of liquid from Pond 2. Of that volume 48,125 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney arrived at Incident Command Center and integrated into JIC. The JIC set up two interviews with all members of UC, including OSC Berry. The Birmingham, AL news outlets were WBRC and AL.com. Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.

The fire chief deemed the transfer of product from the pipeline to frac tanks was to high risk, therefore operations changed to direct tanker to tanker trucks. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-load.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday

when the sample results were presented during the UC briefing. 9 sampling locations have been established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the other 7 were below detection limits.

### **PLANNED RESPONSE ACTIVITIES**

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

Because UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. EPA OSC has requested two START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts.

- Continue to participate in UC
- Monitor removal activities
- Monitor safety air monitoring
- Participate in the Joint Information Center
- Prepare for and coordinate a transition to a removal phase
- Perform water sampling



**To:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Moore, Tony  
**Sent:** Thur 9/15/2016 1:10:45 PM  
**Subject:** Re: SITREP #5 - Pelham Pipeline Spill

Yes

Sent from my iPhone

On Sep 15, 2016, at 9:06 AM, Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)> wrote:

Tony,

Do we want to include DHS on daily ERNS? I am now including Mr. Williams on the Pelham SITREPs. But if there was another large spill we would not know to include him.

Thank you,

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response Removal and Preparedness Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**From:** Weeks, Victor  
**Sent:** Thursday, September 15, 2016 8:59 AM  
**To:** Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)>  
**Subject:** FW: SITREP #5 - Pelham Pipeline Spill

Greg:

Do you know if we can add DHS employees to the ERNS distribution list?

Victor L. Weeks

U.S. EPA Region 4

Air, Pesticides & Toxics Management Division

Chemical Emergency Preparedness & Prevention Coordinator

Atlanta Federal Center

61 Forsyth ST

Atlanta, Georgia 30024

Direct: 404-562-9189

Cell: 770-363-7715

FAX: 404-562-9163

**From:** Williams, James [<mailto:James.Williams@HQ.DHS.GOV>]  
**Sent:** Thursday, September 15, 2016 8:47 AM  
**To:** Weeks, Victor <[weeks.victor@epa.gov](mailto:weeks.victor@epa.gov)>  
**Cc:** Deas, William <[william.deas@HQ.DHS.GOV](mailto:william.deas@HQ.DHS.GOV)>; Albini, David

<David.Albini@HQ.DHS.GOV>; Whittington, Angela  
<Angela.Whittington@HQ.DHS.GOV>; Gibbs, Kelly <Kelly.Gibbs@HQ.DHS.GOV>  
**Subject:** RE: SITREP #5 - Pelham Pipeline Spill

Victor,

Would it be possible for us to get on the distro of the region 4 SITREPS for events such as these?

Jim

James E. Williams

Supervisory Chemical Security Inspector

<image001.jpg>

Department of Homeland Security

Office of Infrastructure Protection

Infrastructure Security Compliance Division

Field Operations Branch

Cosby, TN

Mobile 202.604.8712

CFATS Help Desk: 1-866-323-2957

Questions Regarding: [CSAT@DHS.GOV](mailto:CSAT@DHS.GOV)

[WWW.DHS.GOV/CHEMICALSECURITY](http://WWW.DHS.GOV/CHEMICALSECURITY)

Tip Line: 877-FYI 4 DHS (877 394-4347)

November is Critical Infrastructure Security and Resilience Month

For more information about critical infrastructure, visit  
<http://www.dhs.gov/critical-infrastructure>

“With honor and integrity, we will safeguard the American people, our homeland, and our values”

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**From:** Weeks, Victor [<mailto:weeks.victor@epa.gov>]  
**Sent:** Thursday, September 15, 2016 8:28 AM  
**To:** Garrard, Jordan  
**Cc:** Williams, James  
**Subject:** FW: SITREP #5 - Pelham Pipeline Spill

Jordan:

James Williams with DHS was wondering if Colonial Pipeline has projected a date for when the pipeline will be returned to service?

Also, has Colonial Pipeline quantified any regional gasoline supply issues associated with this transmission pipeline incident?

Victor L. Weeks

U.S. EPA Region 4

Air, Pesticides & Toxics Management Division

Chemical Emergency Preparedness & Prevention Coordinator

Atlanta Federal Center

61 Forsyth ST

Atlanta, Georgia 30024

Direct: 404-562-9189

Cell: 770-363-7715

FAX: 404-562-9163

**From:** Harper, Greg  
**Sent:** Wednesday, September 14, 2016 8:51 PM  
**Cc:** Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** SITREP #5 - Pelham Pipeline Spill

<image004.jpg>

## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #5**

1800 CDT, September 14, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

**Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.**

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

## **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

OSC Garrard was mobilized to the site to overlap with OSC Williamson today, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader. OSC Williamson demobilized during this operational period.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increase the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 41% range.

Colonial has managed to remove approximately 178,217 gallons of liquid from Pond 2. Of that volume 48,125 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney arrived at Incident Command Center and integrated into JIC. The JIC set up two interviews with all members of UC, including OSC Berry. The Birmingham, AL news outlets were WBRC and [AL.com](http://al.com). Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.

The fire chief deemed the transfer of product from the pipeline to frac tanks was to high risk, therefore operations changed to direct tanker to tanker trucks. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-load.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. 9 sampling locations have been established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the other 7 were below detection limits.

### **PLANNED RESPONSE ACTIVITIES**

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

Because UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. EPA OSC has requested two START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts.

- Continue to participate in UC
- Monitor removal activities

- Monitor safety air monitoring
- Participate in the Joint Information Center
- Prepare for and coordinate a transition to a removal phase
- Perform water sampling



**To:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Moore, Tony  
**Sent:** Thur 9/15/2016 1:02:30 AM  
**Subject:** Re: SITREP #5 - Pelham Pipeline Spill

Sent from my iPhone

On Sep 14, 2016, at 8:51 PM, Harper, Greg <Harper.Greg@epa.gov> wrote:

<image003.jpg>

## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #5**

1800 CDT, September 14, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

OSC Garrard was mobilized to the site to overlap with OSC Williamson today, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader. OSC Williamson demobilized during this operational period.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

## **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increases the rate of discharge at the break. LEL levels at the break are too high to recover product before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring with the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 41% range.

Colonial has managed to remove approximately 178,217 gallons of liquid from Pond 2. Of that volume, 48,125 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain.

Colonial has performed a mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operation's progress. Two GST members continue to observe night operations.

James Pickney, Region 4 Office of External Affairs, arrived at Incident Command Center and integrated into JIC. The JIC set up two interviews for the media with all members of UC, including OSC Berry. The Birmingham, AL news outlets in attendance were WBRC and [AL.com](http://al.com). Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with nine households as well as hand out fact sheets.

The fire chief deemed the transfer of product from the pipeline to frac tanks was too high of a risk, therefore operations have changed to direct tanker to tanker trucks transfers. Scrubbers were used on the vacuum trucks while product was pumped from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-loading.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. 9 sampling locations have been established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the other 7 were below detection limits.

#### **PLANNED RESPONSE ACTIVITIES**

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

During today's UC meeting, the UC learned that Colonial contractors had begun collecting water sampling on Saturday. This was only due to the presentation of sampling results were presented during the UC briefing. EPA OSC has requested two START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts.

- ☐ ☐ ☐ ☐ ☐ ☐ Continue to participate in UC
- ☐ ☐ ☐ ☐ ☐ ☐ Monitor removal activities
- ☐ ☐ ☐ ☐ ☐ ☐ Monitor safety air monitoring
- ☐ ☐ ☐ ☐ ☐ ☐ Participate in the Joint Information Center
- ☐ ☐ ☐ ☐ ☐ ☐ Prepare for and coordinate a transition to a removal phase
- ☐ ☐ ☐ ☐ ☐ ☐ Perform water sampling

<Pelham\_Pipeline\_Spill\_SITREP\_5\_09142016.pdf>

**To:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Moore, Tony  
**Sent:** Mon 9/19/2016 12:24:27 AM  
**Subject:** Re: Pelham Pipeline Spill conference call

Ok

Sent from my iPhone

On Sep 18, 2016, at 8:23 PM, Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)> wrote:

Tony,

Kevin would like to have a 2 eastern / 1 central time call tomorrow. To include you, Jim, Larry and anyone who you need to invite.

Will you set up that call again?

Thank you,

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)



**To:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Moore, Tony  
**Sent:** Thur 9/15/2016 12:45:11 AM  
**Subject:** Re: SITREP #5 - Pelham Pipeline Spill

Sent from my iPhone

On Sep 14, 2016, at 8:25 PM, Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)> wrote:

Tony,

Please find the attached SITREP #5 from the Pelham Pipeline Spill.

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

<Pelham\_Pipeline\_Spill\_SITREP\_5\_09142016.docx>



**To:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Moore, Tony  
**Sent:** Thur 9/15/2016 12:36:59 AM  
**Subject:** Re: SITREP #5 - Pelham Pipeline Spill

Can you cut and paste this in the email

Sent from my iPhone

On Sep 14, 2016, at 8:25 PM, Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)> wrote:

Tony,

Please find the attached SITREP #5 from the Pelham Pipeline Spill.

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

<Pelham\_Pipeline\_Spill\_SITREP\_5\_09142016.docx>



**To:** Swan, Charles[swan.charles@epa.gov]  
**From:** Moore, Tony  
**Sent:** Wed 9/14/2016 5:34:27 PM  
**Subject:** Fwd: Delivery of Mule 6 passanger (2 Bench)

Sent from my iPhone

Begin forwarded message:

**From:** "Berry, Chuck" <Berry.Chuck@epa.gov>  
**Date:** September 14, 2016 at 1:31:12 PM EDT  
**To:** "Johnson, Dora Ann" <Johnson.Dora@epa.gov>  
**Cc:** "Harper, Greg" <Harper.Greg@epa.gov>, "Corey CB. Brown" <cbrown@bashaservices.com>, "Garrard, Jordan" <Garrard.Jordan@epa.gov>, "Moore, Tony" <moore.tony@epa.gov>  
**Subject:** Re: Delivery of Mule 6 passanger (2 Bench)

Dora Ann:

Do we need your approval on these requests? I thought Greg was added to the contract. A "you only" status will impede efficient mobilization of much needed resources.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 14, 2016, at 11:56, Johnson, Dora Ann <Johnson.Dora@epa.gov> wrote:

Please assist Greg and Jordan in this request. Let me know if OT or lodging is required also due to the timing of the request.

Thank you,

**Dora Ann Johnson**

Team Lead / Project Officer

US EPA, Region IV

SD/RSIB/RMS

Phone: 404-562-8737

Cell: 404-754-6339

Email: [Johnson.dora@epa.gov](mailto:Johnson.dora@epa.gov)

**From:** Harper, Greg

**Sent:** Wednesday, September 14, 2016 12:09 PM

**To:** Corey CB. Brown <[cbrown@bashaservices.com](mailto:cbrown@bashaservices.com)>

**Cc:** Johnson, Dora Ann <[Johnson.Dora@epa.gov](mailto:Johnson.Dora@epa.gov)>; Garrard, Jordan  
<[Garrard.Jordan@epa.gov](mailto:Garrard.Jordan@epa.gov)>; Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>

**Subject:** Delivery of Mule 6 passanger (2 Bench)

Corey,

Pelham Pipeline Spill has requested the delivery of the 6 passenger (2 Bench) Mule. It needs to be delivered today. Please coordinate the delivery with Jordan Garrad (678) 644-8648. Jordan will provide the delivery location.

The site is Pelham Pipeline Spill, Pelham, AL site ID V4CO

Thank you,

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response Removal and Preparedness Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)



**To:** Greg Harper (Harper.Greg@epa.gov)[Harper.Greg@epa.gov]  
**From:** Moore, Tony  
**Sent:** Tue 9/13/2016 11:51:04 PM  
**Subject:** Pelham\_Pipeline\_Spill\_SITREP\_4\_09132016.docx  
Pelham Pipeline Spill SITREP 4 09132016.docx

Use this version, if corrected stuff I corrected yesterday

Thanks





## **NRC 1158584, Pelham Pipeline Spill Pelham, Shelby County, Alabama SITUATION REPORT #4**

1800 CDT, September 13, 2016

### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons)– See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Williamson, and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

OSC Garrard was mobilized to the site to overlap with OSC Williamson tomorrow, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

The pipeline continues to drain into Pond 2 at a rate of approximately 3 gallons per minute. Colonial has installed both stopples, one currently set and the other is tapping through the pipeline emplacing the plug. The fuel will be vacuumed from the line and into trucks for shipment to the Colonial Pelham terminal.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 489 parts per million (ppm). The highest benzene level recorded was 4.8 ppm. LEL levels remain in the 100% range.

Colonial continues to increase its footprint at the site, building new roads to ease traffic congestion and allow for larger vehicles to access closer locations. A vapor recovery scrubber has been mobilized to the site to aid with vapor emissions. A decontamination pad for trucks has been constructed to decontaminate fuel-contaminated equipment.

Colonial has managed to remove approximately 107,304 gallons of liquid from Pond 2. Of that volume 18,928 gallons of fuel has been recovered and 88,376 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 115,700 gallons of fuel evaporated. 101,291 gallons of fuel is estimated to remain in the pond. These numbers are approximate and will likely change significantly over time.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. Significant rainfall may be received on site depending on the actions of a new tropical storm system forming in the Gulf of Mexico.

EPA/GST remains incorporated into Operations and air monitoring. OSC Williamson and two GST members continue on site safety and progress monitoring. Two GST members continue to observe night operations. OSC Williamson briefly met with the Vice President of Colonial during a VIP visit to the work site.

### **PLANNED RESPONSE ACTIVITIES**

- Continue to participate in UC
- Monitor removal activities
- Monitor safety air monitoring
- Prepare for and coordinate a transition to a removal phase.

**To:** Rigger, Don[Rigger.Don@epa.gov]; Webster, James[Webster.James@epa.gov]  
**From:** Moore, Tony  
**Sent:** Mon 9/12/2016 1:26:02 AM  
**Subject:** Fwd: SITREP #2 - Pelham Pipeline Release  
[image003.jpg](#)  
[ATT00001.htm](#)  
[Pelham Pipeline Spill SITREP 2 final 09112016.pdf](#)  
[ATT00002.htm](#)

Here is the latest Sitrep

Sent from my iPhone

Begin forwarded message:

**From:** "Eichinger, Kevin" <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>  
**Cc:** "Eichinger, Kevin" <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>  
**Subject:** SITREP #2 - Pelham Pipeline Release



# **NRC 1158584, Pelham Pipeline Spill**

## **Pelham, Shelby County, Alabama**

### **SITUATION REPORT #2**

1800, September 11, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond (Pond 2 on the attached Figure) that feeds into Peel Creek which is a tributary of the Cahaba River. The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1000 and 2000 gallons of gasoline entered the pond (the spill volume has been updated to 100,000 gallons in the pond – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline. There is an increased risk of rain for Sunday and

Monday September 11<sup>th</sup> and 12<sup>th</sup>.

Threatened and endangered species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and has integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Englert, OSC Williamson, and 4 US Coast Guard Gulf Strike Team members have been deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

Current number of EPA Personnel Assigned: 3

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 EDT daily.

### **CURRENT OPERATIONS**

While the pipeline pumps are shut off, the pipeline continues to drain into Pond 2. The flow rate has lessened over the last day, but visually appears to be approximately 3 gallons per minute. Colonial continues to excavate the pipe and install stopples to block the flow, but hard rock has delayed this process. Colonial

currently estimates the pipe to be blocked and evacuated Tuesday. There is no update to the discharge volume.

The high level of explosive vapors is the greatest limiting factor to recovery operations. Colonial contractor CTEH is on site providing air monitoring services. They have set up an air monitoring network and are also providing roving and escort services for personnel working inside the hot zone. Lower Explosive Level (LEL) readings as high as 99% have been observed for short periods of time. Volatile Organic Compounds (VOC) levels remain high near the pond, with the highest observed level coming from a remote monitor at 2,999 parts per million (ppm). Benzene is also being monitored for, with a highest reading of 366.7 ppm. All personnel entering the hot zone are required to have flame resistant clothing and an air monitoring escort. Action levels for benzene, VOCs and explosive vapors have been set. Work is frequently stopped due to excess benzene and LEL readings, slowing recovery.

See the attached map for the layout of the emergency response site

Colonial has removed 18260 gallons of liquid from Pond 2. The initial tactic of pumping directly into vacuum trucks is being transitioned to pumping into portable tanks first, with vacuum trucks hauling the material to other portable tanks at the staging area. Currently, Colonial has been unable to pump due to elevated vapor levels; no product removal has occurred for the last 30 hours. There is no exact figure for the total volume of liquid in Pond 2, but the pond is 1.2 acres in size. Conservative estimates put the total volume approximately 1,000,000 gallons of petroleum contaminated water (3 feet deep).

Sheen was reported yesterday on Pond 3. UC decided to augment the existing protection, building an underflow dam and emplacing additional boom at the outfall. Subsequent investigation of the sheen showed it was biological in nature. However, it is assumed there is some hydraulic connectivity between the two ponds. Colonial is investigating additional diversion/collection structures further along the currently-dry Peel creek bed prior to its confluence with the Cahaba.

EPA/GST is incorporated into Operations and air monitoring. OSC Williamson and 2 GST members spent today on site monitoring safety and progress.

EPA/GST assisted Colonial with installation and planning of the Pond 3 augmentation and will continue to coordinate those efforts. OSC Englert is assuming Deputy Incident Commander role for EPA during the overnight shift, but will maintain a field presence. Two GST members will also assist with the overnight shift.

-

#### **PLANNED RESPONSE ACTIVITIES**

- ☐ ☐ ☐ ☐ ☐ ☐ Continue to participate in UC
- ☐ ☐ ☐ ☐ ☐ ☐ Monitor removal activities
- ☐ ☐ ☐ ☐ ☐ ☐ Monitor safety air monitoring
- ☐ ☐ ☐ ☐ ☐ ☐ Review and monitor the contingency booms and diversion activities in preparation for future rain events. It should be noted that, based on the best available information now (which is limited due to terrain, vapors, and thick forest) there is little expectation for overtopping of the pond due to the small amounts of rain expected, based on NWS predictions.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4 | 61 Forsyth St SW | Atlanta, Georgia | 30303**

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | [epaosc.org](http://epaosc.org)

**To:** Lapierre, Kenneth[Lapierre.Kenneth@epa.gov]; Gettle, Jeaneanne[Gettle.Jeaneanne@epa.gov]; Kemker, Carol[Kemker.Carol@epa.gov]; Fite, Mark[Fite.Mark@epa.gov]  
**Cc:** Heard, Anne[Heard.Anne@epa.gov]; Hicks, Javoyne[Hicks.Javoyne@epa.gov]; Jones-Johnson, Shea[Jones-Johnson.Shea@epa.gov]; Jenkins, Brandi[Jenkins.Brandi@epa.gov]; Lincoln, Larry[Lincoln.Larry@epa.gov]; Hill, Franklin[Hill.Franklin@epa.gov]; Worley, Gregg[Worley.Gregg@epa.gov]; Webster, James[Webster.James@epa.gov]; Wise, Allison[Wise.Allison@epa.gov]; Delli-Gatti, Dionne[Delli-Gatti.Dionne@epa.gov]  
**From:** Davis, Amber  
**Sent:** Fri 9/16/2016 8:17:05 PM  
**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

I just got off the phone with Madison Le, the Director of the Fuels Compliance Policy Center in OTAQ. There are two types of wavier requests in the pipeline right now. One is for RFG and does not affect any Region 4 states. The other is for comingling RBOB and CBOB gasoline, and it affects all Region 4 states with the exception of Florida. In short, we need to call our contacts in AL, GA, KY, MS, NC, SC, and TN and get verbal concurrence from them to allow comingled gas to run through the pipeline in their states. Ideally, this would be completed within the next hour. Once we've gotten a response, we need to email Madison and let her know.

**Amber Davis, Chief** | Communities Support Section | U.S. Environmental Protection Agency | Region 4 | APTMD | 61 Forsyth St. SW | Atlanta, GA 30303 | Tel 404.562.9014 | davis.amber@epa.gov

**From:** Lapierre, Kenneth  
**Sent:** Friday, September 16, 2016 2:59 PM  
**To:** Davis, Amber <Davis.Amber@epa.gov>; Gettle, Jeaneanne <Gettle.Jeaneanne@epa.gov>; Kemker, Carol <Kemker.Carol@epa.gov>; Fite, Mark <Fite.Mark@epa.gov>  
**Cc:** Heard, Anne <Heard.Anne@epa.gov>; Hicks, Javoyne <Hicks.Javoyne@epa.gov>; Jones-Johnson, Shea <Jones-Johnson.Shea@epa.gov>; Jenkins, Brandi <Jenkins.Brandi@epa.gov>; Lincoln, Larry <Lincoln.Larry@epa.gov>; Hill, Franklin <Hill.Franklin@epa.gov>; Worley, Gregg <Worley.Gregg@epa.gov>  
**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

Thank you, Ken

Kenneth R. Lapierre

Acting Deputy Regional Administrator

U.S. EPA Region 4

(404) 562-8570

**From:** Davis, Amber  
**Sent:** Friday, September 16, 2016 2:52 PM  
**To:** Lapierre, Kenneth <[Lapierre.Kenneth@epa.gov](mailto:Lapierre.Kenneth@epa.gov)>; Gettle, Jeaneanne <[Gettle.Jeaneanne@epa.gov](mailto:Gettle.Jeaneanne@epa.gov)>; Kemker, Carol <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)>; Fite, Mark <[Fite.Mark@epa.gov](mailto:Fite.Mark@epa.gov)>  
**Cc:** Heard, Anne <[Heard.Anne@epa.gov](mailto:Heard.Anne@epa.gov)>; Hicks, Javoyne <[Hicks.Javoyne@epa.gov](mailto:Hicks.Javoyne@epa.gov)>; Jones-Johnson, Shea <[Jones-Johnson.Shea@epa.gov](mailto:Jones-Johnson.Shea@epa.gov)>; Jenkins, Brandi <[Jenkins.Brandi@epa.gov](mailto:Jenkins.Brandi@epa.gov)>; Lincoln, Larry <[Lincoln.Larry@epa.gov](mailto:Lincoln.Larry@epa.gov)>; Hill, Franklin <[Hill.Franklin@epa.gov](mailto:Hill.Franklin@epa.gov)>; Worley, Gregg <[Worley.Gregg@epa.gov](mailto:Worley.Gregg@epa.gov)>  
**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

I just got off the phone with HQ. They were in a bit of a rush because they have a call scheduled for 3:00pm today (in ten minutes) with Colonial Pipeline to discuss the request. In terms of the waiver approval process, it is the same as the one that happened earlier this week with the 7.8 RVP in Georgia and Tennessee. I will keep you in the loop as I learn more.

**Amber Davis, Chief** | Communities Support Section | U.S. Environmental Protection Agency | Region 4 | APTMD | 61 Forsyth St. SW | Atlanta, GA 30303 | Tel 404.562.9014 | [davis.amber@epa.gov](mailto:davis.amber@epa.gov)

**From:** Davis, Amber  
**Sent:** Friday, September 16, 2016 2:38 PM  
**To:** Lapierre, Kenneth <[lapierre.kenneth@epa.gov](mailto:lapierre.kenneth@epa.gov)>; Gettle, Jeaneanne <[Gettle.Jeaneanne@epa.gov](mailto:Gettle.Jeaneanne@epa.gov)>; Kemker, Carol <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)>; Fite, Mark

<[Fite.Mark@epa.gov](mailto:Fite.Mark@epa.gov)>

**Cc:** Heard, Anne <[Heard.Anne@epa.gov](mailto:Heard.Anne@epa.gov)>; Hicks, Javoyne <[Hicks.Javoyne@epa.gov](mailto:Hicks.Javoyne@epa.gov)>; Jones-Johnson, Shea <[Jones-Johnson.Shea@epa.gov](mailto:Jones-Johnson.Shea@epa.gov)>; Jenkins, Brandi <[Jenkins.Brandi@epa.gov](mailto:Jenkins.Brandi@epa.gov)>; Lincoln, Larry <[Lincoln.Larry@epa.gov](mailto:Lincoln.Larry@epa.gov)>; Hill, Franklin <[Hill.Franklin@epa.gov](mailto:Hill.Franklin@epa.gov)>; Worley, Gregg <[Worley.Gregg@epa.gov](mailto:Worley.Gregg@epa.gov)>

**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

We just got some conflicting information from another office in HQ saying that the company can make the request, but the states have to concur. I am trying to track this down now.

**Amber Davis, Chief** | Communities Support Section | U.S. Environmental Protection Agency | Region 4 | APTMD | 61 Forsyth St. SW | Atlanta, GA 30303 | Tel 404.562.9014 | [davis.amber@epa.gov](mailto:davis.amber@epa.gov)

**From:** Lapierre, Kenneth

**Sent:** Friday, September 16, 2016 2:35 PM

**To:** Gettle, Jeaneanne <[Gettle.Jeaneanne@epa.gov](mailto:Gettle.Jeaneanne@epa.gov)>; Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>; Kemker, Carol <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)>; Fite, Mark <[Fite.Mark@epa.gov](mailto:Fite.Mark@epa.gov)>

**Cc:** Heard, Anne <[Heard.Anne@epa.gov](mailto:Heard.Anne@epa.gov)>; Hicks, Javoyne <[Hicks.Javoyne@epa.gov](mailto:Hicks.Javoyne@epa.gov)>; Jones-Johnson, Shea <[Jones-Johnson.Shea@epa.gov](mailto:Jones-Johnson.Shea@epa.gov)>; Jenkins, Brandi <[Jenkins.Brandi@epa.gov](mailto:Jenkins.Brandi@epa.gov)>; Lincoln, Larry <[Lincoln.Larry@epa.gov](mailto:Lincoln.Larry@epa.gov)>; Hill, Franklin <[Hill.Franklin@epa.gov](mailto:Hill.Franklin@epa.gov)>

**Subject:** FW: Waiver of Certain Reformulated Gasoline Regulations

Jeaneanne and Amber,

Can you provide us with a briefing paper about this waiver process? I am not familiar with this one at all.

Thanks--Ken

Kenneth R. Lapierre

Acting Deputy Regional Administrator

U.S. EPA Region 4

(404) 562-8570

**From:** Gettle, Jeaneanne

**Sent:** Friday, September 16, 2016 2:19 PM

**To:** Heard, Anne <[Heard.Anne@epa.gov](mailto:Heard.Anne@epa.gov)>; Lapierre, Kenneth <[Lapierre.Kenneth@epa.gov](mailto:Lapierre.Kenneth@epa.gov)>

**Cc:** Hicks, Javoyne <[Hicks.Javoyne@epa.gov](mailto:Hicks.Javoyne@epa.gov)>; Jenkins, Brandi <[Jenkins.Brandi@epa.gov](mailto:Jenkins.Brandi@epa.gov)>; Jones-Johnson, Shea <[Jones-Johnson.Shea@epa.gov](mailto:Jones-Johnson.Shea@epa.gov)>; Hill, Franklin <[Hill.Franklin@epa.gov](mailto:Hill.Franklin@epa.gov)>; Chaffins, Randall <[Chaffins.Randall@epa.gov](mailto:Chaffins.Randall@epa.gov)>; Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>; Kemker, Carol <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)>; Fite, Mark <[Fite.Mark@epa.gov](mailto:Fite.Mark@epa.gov)>; Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>

**Subject:** Fwd: Waiver of Certain Reformulated Gasoline Regulations

Anne and Ken:

I wanted to make you aware that based on our consultation with HQ the states must make this request, not Colonial Pipeline.

I have advised Franklin and am copying him here. If you have any questions this afternoon, Amber Davis is in the office and I am available via cell except btwn 3:30 - 6:00. My cell is 404-861-6626.

Thanks

Jeaneanne

Sent from my iPhone

On Sep 16, 2016, at 1:39 PM, Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

Thanks Terry

Jeaneanne, FYI

**From:** Stilman, Terry

**Sent:** Friday, September 16, 2016 1:31 PM

**To:** Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>

**Cc:** Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>; Moore, Tony <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)>

**Subject:** FW: Waiver of Certain Reformulated Gasoline Regulations

Jim,

As we discussed.

Terry.

**From:** Coleman, Shannon P. [<mailto:spcoleman@colpipe.com>]

**Sent:** Friday, September 16, 2016 1:24 PM

**To:** Stilman, Terry <[Stilman.Terry@epa.gov](mailto:Stilman.Terry@epa.gov)>

**Cc:** Lohoff, Drew <[dlohoff@colpipe.com](mailto:dlohoff@colpipe.com)>; Harris, Erin <[eharris@colpipe.com](mailto:eharris@colpipe.com)>; Seagraves, Preston T <[PSeagrav@colpipe.com](mailto:PSeagrav@colpipe.com)>

**Subject:** Waiver of Certain Reformulated Gasoline Regulations

Terry,

Colonial is requesting a waiver of 40 CFR § 80.78(a)(7), which will allow us to

comingle RBOB and CBOB prior to the addition of ethanol. As well as a waiver pursuant to CAA § 211(c)(4)(C)(ii)(I), 42 U.S.C. § 7545(c)(4)(C)(ii)(I) to allow conventional gasoline to be sold in Designated RFG Covered Areas. This waiver would need to encompass RBOB and CBOB moved on Colonial Pipeline and Plantation Pipeline. Colonial anticipates needing this waiver for two to four weeks.

I believe my colleague in quality assurance has also reached out to a contact at EPA (Jeff Herzog), so we may be coming at this from both directions. Our apologizes.

My contact information is shown below. Please feel free to call or e-mail with any additional questions or concerns.

Regards,

Shannon

Shannon P. Coleman

Colonial Pipeline Company

1185 Sanctuary Pkway, Suite 100

Alpharetta, GA 30009

Direct: 678-

Sent from my iPhone

Begin forwarded message:

**From:** "Webster, James" <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>

**Date:** September 16, 2016 at 1:39:06 PM EDT

**To:** "Stilman, Terry" <[Stilman.Terry@epa.gov](mailto:Stilman.Terry@epa.gov)>, "Gettle, Jeaneanne" <[Gettle.Jeaneanne@epa.gov](mailto:Gettle.Jeaneanne@epa.gov)>, "Kemker, Carol" <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)>, "Hill, Franklin" <[Hill.Franklin@epa.gov](mailto:Hill.Franklin@epa.gov)>

**Cc:** "Berry, Chuck" <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>, "Moore, Tony" <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)>  
**Subject: RE: Waiver of Certain Reformulated Gasoline Regulations**

Thanks Terry

Jeananne, FYI

**From:** Stilman, Terry  
**Sent:** Friday, September 16, 2016 1:31 PM  
**To:** Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>  
**Cc:** Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>; Moore, Tony <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)>  
**Subject:** FW: Waiver of Certain Reformulated Gasoline Regulations

Jim,

As we discussed.

Terry.

**From:** Coleman, Shannon P. [<mailto:spcoleman@colpipe.com>]  
**Sent:** Friday, September 16, 2016 1:24 PM  
**To:** Stilman, Terry <[Stilman.Terry@epa.gov](mailto:Stilman.Terry@epa.gov)>  
**Cc:** Lohoff, Drew <[dlohoff@colpipe.com](mailto:dlohoff@colpipe.com)>; Harris, Erin <[eharris@colpipe.com](mailto:eharris@colpipe.com)>;  
Seagraves, Preston T <[PSeagrav@colpipe.com](mailto:PSeagrav@colpipe.com)>  
**Subject:** Waiver of Certain Reformulated Gasoline Regulations

Terry,

Colonial is requesting a waiver of 40 CFR § 80.78(a)(7), which will allow us to comingle RBOB and CBOB prior to the addition of ethanol. As well as a waiver pursuant to CAA § 211(c)(4)(C)(ii)(I), 42 U.S.C. § 7545(c)(4)(C)(ii)(I) to allow conventional gasoline to be sold in Designated RFG Covered Areas. This waiver would need to encompass RBOB and

CBOB moved on Colonial Pipeline and Plantation Pipeline. Colonial anticipates needing this waiver for two to four weeks.

I believe my colleague in quality assurance has also reached out to a contact at EPA (Jeff Herzog), so we may be coming at this from both directions. Our apologizes.

My contact information is shown below. Please feel free to call or e-mail with any additional questions or concerns.

Regards,

Shannon

Shannon P. Coleman

Colonial Pipeline Company

1185 Sanctuary Pkway, Suite 100

Alpharetta, GA 30009

Direct: 678-762-2523

Mobile:

**Exemption 6 Personal Privacy**

**To:** Davis, Amber[Davis.Amber@epa.gov]; Thompson, Christopher[Thompson.Christopher@epa.gov]  
**Cc:** Le, Madison[Le.Madison@epa.gov]; Herzog, Jeff[Herzog.Jeff@epa.gov]; Gustafson, Kurt[Gustafson.Kurt@epa.gov]; Miller, Anthony[Miller.Anthony@epa.gov]; Webster, James[Webster.James@epa.gov]  
**From:** Manners, Mary  
**Sent:** Fri 9/16/2016 8:15:15 PM  
**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

<https://helena.colonialresponse.com/>

From that statement:

This afternoon, working in consultation with Unified Command, Colonial Pipeline will begin excavation operations to repair the impacted section of pipe on Line 1. This work will continue throughout the weekend, with Line 1 projected to restart next week. Recovery of gasoline, which remains contained, also continues as safety conditions allow.

**From:** Davis, Amber  
**Sent:** Friday, September 16, 2016 4:14 PM  
**To:** Thompson, Christopher <Thompson.Christopher@epa.gov>  
**Cc:** Le, Madison <Le.Madison@epa.gov>; Herzog, Jeff <Herzog.Jeff@epa.gov>; Gustafson, Kurt <Gustafson.Kurt@epa.gov>; Miller, Anthony <Miller.Anthony@epa.gov>; Manners, Mary <manners.mary@epa.gov>; Webster, James <Webster.James@epa.gov>  
**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

Jim, can you respond to this?

**Amber Davis, Chief** | Communities Support Section | U.S. Environmental Protection Agency | Region 4 | APTMD | 61 Forsyth St. SW | Atlanta, GA 30303 | Tel 404.562.9014 | [davis.amber@epa.gov](mailto:davis.amber@epa.gov)

**From:** Thompson, Christopher  
**Sent:** Friday, September 16, 2016 4:14 PM  
**To:** Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>  
**Cc:** Le, Madison <[Le.Madison@epa.gov](mailto:Le.Madison@epa.gov)>; Herzog, Jeff <[Herzog.Jeff@epa.gov](mailto:Herzog.Jeff@epa.gov)>; Gustafson, Kurt <[Gustafson.Kurt@epa.gov](mailto:Gustafson.Kurt@epa.gov)>; Miller, Anthony <[Miller.Anthony@epa.gov](mailto:Miller.Anthony@epa.gov)>; Manners, Mary

<[manners.mary@epa.gov](mailto:manners.mary@epa.gov)>

**Subject:** Re: Waiver of Certain Reformulated Gasoline Regulations

Sorry if already asked...but do your emergency response folks have any inside information as to when colonial will be able to start to make repairs?

Sent from my iPhone

On Sep 16, 2016, at 2:14 PM, Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)> wrote:

Madison,

Thank you for taking my call! I know that you are on the phone with Colonial now. When you're available, can you clarify whether or not this issue is a Region 4 one, or if it is confined to MD, VA, and DC? Thank you so much!

Amber

**Amber Davis, Chief** | Communities Support Section | U.S. Environmental Protection Agency |  
Region 4 | APTMD | 61 Forsyth St. SW | Atlanta, GA 30303 | Tel 404.562.9014 |  
[davis.amber@epa.gov](mailto:davis.amber@epa.gov)

**From:** Le, Madison

**Sent:** Friday, September 16, 2016 2:50 PM

**To:** Herzog, Jeff <[Herzog.Jeff@epa.gov](mailto:Herzog.Jeff@epa.gov)>; Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>;  
Thompson, Christopher <[Thompson.Christopher@epa.gov](mailto:Thompson.Christopher@epa.gov)>; Gustafson, Kurt  
<[Gustafson.Kurt@epa.gov](mailto:Gustafson.Kurt@epa.gov)>; Miller, Anthony <[Miller.Anthony@epa.gov](mailto:Miller.Anthony@epa.gov)>

**Cc:** Manners, Mary <[manners.mary@epa.gov](mailto:manners.mary@epa.gov)>

**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

Amber and I just talked. We are good for now while we wait to get more information from Colonial on this request.

Thanks,

Madison

Madison H. Le,

Director, Fuels Compliance Policy Center (FCPC)

Office of Transportation & Air Quality

U.S. Environmental Protection Agency

1200 Pennsylvania Ave, N.W.

Washington, D.C. 20460

Direct: 202-564-5754

Cell: 202-507-3062

Email: [le.madison@epa.gov](mailto:le.madison@epa.gov)

**From:** Herzog, Jeff

**Sent:** Friday, September 16, 2016 2:49 PM

**To:** Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>; Thompson, Christopher <[Thompson.Christopher@epa.gov](mailto:Thompson.Christopher@epa.gov)>; Gustafson, Kurt <[Gustafson.Kurt@epa.gov](mailto:Gustafson.Kurt@epa.gov)>; Miller, Anthony <[Miller.Anthony@epa.gov](mailto:Miller.Anthony@epa.gov)>

**Cc:** Manners, Mary <[manners.mary@epa.gov](mailto:manners.mary@epa.gov)>; Le, Madison <[Le.Madison@epa.gov](mailto:Le.Madison@epa.gov)>

**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

I think Madison Le's Fuel Waiver team is on top of this

Terry Stillman and Preston Searles from Colonial Pipeline called me this afternoon.

I talked to Marry Manners who suggested that have them all Madison Le.

I called Preston back and suggested he talk to Madison

Jeff Herzog, U.S. EPA, OTAQ, ASD

(734) 214-4227

**From:** Davis, Amber

**Sent:** Friday, September 16, 2016 2:01 PM

**To:** Thompson, Christopher <[Thompson.Christopher@epa.gov](mailto:Thompson.Christopher@epa.gov)>; Gustafson, Kurt <[Gustafson.Kurt@epa.gov](mailto:Gustafson.Kurt@epa.gov)>; Herzog, Jeff <[Herzog.Jeff@epa.gov](mailto:Herzog.Jeff@epa.gov)>; Miller, Anthony <[Miller.Anthony@epa.gov](mailto:Miller.Anthony@epa.gov)>

**Subject:** FW: Waiver of Certain Reformulated Gasoline Regulations

Chris, Kurt, Jeff, Tony,

Can you respond to the request below or redirect it to the correct person? Please copy me so that I can keep R4 management in the loop. Thank you!

Amber

**Amber Davis, Chief** | Communities Support Section | U.S. Environmental Protection Agency |  
Region 4 | APTMD | 61 Forsyth St. SW | Atlanta, GA 30303 | Tel 404.562.9014 |  
[davis.amber@epa.gov](mailto:davis.amber@epa.gov)

**From:** Gettle, Jeaneanne

**Sent:** Friday, September 16, 2016 1:54 PM

**To:** Worley, Gregg <[Worley.Gregg@epa.gov](mailto:Worley.Gregg@epa.gov)>; Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>

**Cc:** Kemker, Carol <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)>; Fite, Mark <[Fite.Mark@epa.gov](mailto:Fite.Mark@epa.gov)>; Toney, Anthony <[Toney.Anthony@epa.gov](mailto:Toney.Anthony@epa.gov)>; Benjamin, Lynorae <[benjamin.lynorae@epa.gov](mailto:benjamin.lynorae@epa.gov)>

**Subject:** Fwd: Waiver of Certain Reformulated Gasoline Regulations

Amber

Can you pls look into this and let me know what if anything we need to do on this. Im copying Lynorae in case she can provide insight.

JMG

Sent from my iPhone

Begin forwarded message:

**From:** "Webster, James" <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>  
**Date:** September 16, 2016 at 1:39:06 PM EDT  
**To:** "Stilman, Terry" <[Stilman.Terry@epa.gov](mailto:Stilman.Terry@epa.gov)>, "Gettle, Jeaneanne" <[Gettle.Jeaneanne@epa.gov](mailto:Gettle.Jeaneanne@epa.gov)>, "Kemker, Carol" <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)>, "Hill, Franklin" <[Hill.Franklin@epa.gov](mailto:Hill.Franklin@epa.gov)>  
**Cc:** "Berry, Chuck" <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>, "Moore, Tony" <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)>  
**Subject:** **RE: Waiver of Certain Reformulated Gasoline Regulations**

Thanks Terry

Jeaneanne, FYI

**From:** Stilman, Terry  
**Sent:** Friday, September 16, 2016 1:31 PM  
**To:** Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>  
**Cc:** Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>; Moore, Tony <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)>  
**Subject:** FW: Waiver of Certain Reformulated Gasoline Regulations

Jim,

As we discussed.

Terry.

**From:** Coleman, Shannon P. [mailto:spcoleman@colpipe.com]  
**Sent:** Friday, September 16, 2016 1:24 PM  
**To:** Stilman, Terry <Stilman.Terry@epa.gov>  
**Cc:** Lohoff, Drew <dlohoff@colpipe.com>; Harris, Erin <eharris@colpipe.com>;  
Seagraves, Preston T <PSeagrav@colpipe.com>  
**Subject:** Waiver of Certain Reformulated Gasoline Regulations

Terry,

Colonial is requesting a waiver of 40 CFR § 80.78(a)(7), which will allow us to comingle RBOB and CBOB prior to the addition of ethanol. As well as a waiver pursuant to CAA § 211(c)(4)(C)(ii)(I), 42 U.S.C. § 7545(c)(4)(C)(ii)(I) to allow conventional gasoline to be sold in Designated RFG Covered Areas. This waiver would need to encompass RBOB and CBOB moved on Colonial Pipeline and Plantation Pipeline. Colonial anticipates needing this waiver for two to four weeks.

I believe my colleague in quality assurance has also reached out to a contact at EPA (Jeff Herzog), so we may be coming at this from both directions. Our apologies.

My contact information is shown below. Please feel free to call or e-mail with any additional questions or concerns.

Regards,

Shannon

Shannon P. Coleman  
Colonial Pipeline Company

1185 Sanctuary Pkway, Suite 100

Alpharetta, GA 30009

Direct: 678-762-2523

Mobile: ·

Exemption 6 Personal Privacy



**To:** Thielhorn, Kurt[kurt.thielhorn@atf.gov]; Russell, Leah[Leah.Russell@faa.gov]; Webster, James[Webster.James@epa.gov]; Dodrill, Keith[keith.dodrill@netl.doe.gov]; Shawn R. Young[  
**From:** FEMA-R4-WatchUnit  
**Sent:** Fri 9/16/2016 6:04:29 PM  
**Subject:** New Time ! RRT 4 Incident Specific Activation - Pelham Pipeline Spill  
FW New Time ! RRT 4 Incident Specific Activation - Pelham Pipeline Spill.ics

All,

20160916

Redaction(s)  
subject to Exemption 6 (Personal  
Privacy Information)

Attached is the calendar invite for the Pelham Pipeline Spill. The conference call starts at 1400 and ends at 1500. The call number is 1-(b) (6) and the pin number is

Sp



# FW: New Time ! RRT 4 Incident Specific Activation - Pelham Pipeline Spill

1-

20160916T180000Z

PRODID

-//Microsoft Corporation//Outlook 15.0 MIMEDIR//EN

Version

2.0

METHOD

REQUEST

X-MS-OLK-FORCEINSPECTOROPEN

TRUE

Attendee mailto:FEMA-R4-WatchUnit@fema.dhs.gov  
RSVP TRUE

Attendee mailto:Terry.Brown5@fema.dhs.gov  
RSVP TRUE

Attendee mailto:Lora.Goza@fema.dhs.gov  
RSVP TRUE

Attendee mailto:Stacy.Gunnin@fema.dhs.gov  
RSVP TRUE

Attendee mailto:Kertz.Hare@fema.dhs.gov  
RSVP TRUE

Attendee mailto:Jerry.Haney@fema.dhs.gov  
RSVP TRUE

Attendee mailto:Lorenza.James@fema.dhs.gov  
RSVP TRUE

Attendee mailto:Barbara.Sanders@fema.dhs.gov  
RSVP TRUE

Attendee mailto:Paul.Williams6@fema.dhs.gov  
RSVP TRUE

Attendee mailto:Glen.Sachtleben@fema.dhs.gov  
RSVP TRUE

Attendee mailto:Donald.Robinson@HQ.DHS.GOV  
RSVP TRUE

Attendee mailto:Mary.Hudak@fema.dhs.gov  
RSVP TRUE

**Attendee** mailto:Robert.S.amaan@fema.dhs.gov  
Role OPT-PARTICIPANT  
RSVP TRUE

**Attendee** mailto:Gracia.Szczzech@fema.dhs.gov  
Role OPT-PARTICIPANT  
RSVP TRUE

**Attendee** mailto:Forest.A.Willis@uscg.mil  
RSVP TRUE

**Attendee** mailto:Webster.James@epa.gov  
RSVP TRUE

**Attendee** mailto:Joyce.Stanley@ios.doi.gov  
RSVP TRUE

**Attendee** mailto:G.Springer@adem.state.al.us  
RSVP TRUE

**Attendee** mailto:Berry.Chuck@epa.gov  
RSVP TRUE

**Attendee** mailto:Lori.A.Loughran@uscg.mil  
RSVP TRUE

**Attendee** mailto:Eichinger.Kevin@epa.gov  
RSVP TRUE

**Attendee** mailto:lindy.nelson@ios.doi.gov  
Role OPT-PARTICIPANT  
RSVP TRUE

**Attendee** mailto:gwen.keenan@fema.dhs.gov  
Role OPT-PARTICIPANT  
RSVP TRUE

**Attendee** mailto:Stilman.Terry@epa.gov  
Role OPT-PARTICIPANT  
RSVP TRUE

**Attendee** mailto:Harper.Greg@epa.gov  
Role OPT-PARTICIPANT  
RSVP TRUE

**Attendee** mailto:moore.tony@epa.gov  
Role OPT-PARTICIPANT  
RSVP TRUE

**Attendee** mailto:G.Springer@adem.alabama.gov  
Role OPT-PARTICIPANT  
RSVP TRUE

**Categories**  
PUBLIC

**CREATED**

20160916T175227Z

**Description**

Again watch please forward with new time 1/3/12/15

Gwen Keenan  
FEMA R IV  
Response Division Director

Sent from my iFEMA mobile device.

All times listed are in the following time zone: UTC

---

From: Andrew, Gary  
Sent: Friday, September 16, 2016 2:24:46 PM  
To: Willis, Forest A CIV; Webster, James; Joyce Stanley@ios.doi.gov;  
GSpringer@adem.state.al.us; Berry, Chuck; Loug hran, Lori A LCDR;  
Eichinger, Kevin; Andrew, Gary  
Cc: lindy\_nelson@ios.doi.gov; Keenan, Gwen; Stilman, Terry; Harper,  
Greg; Moore, Tony; Springer, Grady; Sachtleben, Glen  
Subject: New Time ! RRT 4 Incident Specific Activation - Pelham  
Pipeline Spill  
When: Friday, September 16, 2016 6:00 PM-7:00 PM.  
Where: 1-

Time Adjusted to Meet Field Schedule

Draft Agenda:

RRT 4 Incident Specific Activation: Pelham Pipeline Spill  
Roll Call: Gary Andrew  
Welcome: James Webster  
Site Briefing: EPA OSC Chuck Berry  
Discussion: James Webster  
Summary: Gary Andrew  
Closing Comments: Co-Chairs, ADEM, DOI

Call-in #:  
Conference

(b) (6)

Redaction(s)  
subject to Exemption 6 (Personal  
Privacy Information)

**End Date/Time**

20160916T190000Z

**DTSTAMP**

20160916T142501Z

**Start Date/Time**

1  
5 U.S.  
Priv

Specific  
Incident

20160916T180000Z

**Last Modified**

20160916T175227Z

**Location**

1-866-299-3188; 4045628758#

**ORGANIZER** ( CN="Andrew, Gary" )

mailto:Andrew.Gary@epa.gov

**Priority**

5

**Sequence Number**

0

**Summary**

FW: New Time ! RRT 4 Incident Specific Activation - Pelham Pipeline Spill

**Time Transparency**

OPAQUE

**UID**

040000008200E00074C5B7101A82E008000000030D35450FB0FD20100000000000000  
010000000B5A7A0EBCE968843A0F27E83AC8F0F1C

**X-ALT-DESC** ( FMTTYPE=text/html )

<html><head>

<meta name="Generator" content="Microsoft Exchange Server">

<!-- converted from text -->

<style><!-- . EmailQuote { margin-left: 1pt; padding-left: 4pt; border-left: #800000 2 px solid; } -->

></style></head>

<body>

<div>Again watch please forward w ith new time1/3/12/15<br><br><br><br>Gwen Keenan<br>FEMA R  
IV <br>Response Division Director<br><br>Sent from my iFEMA mobile device.<br><br><font s ize="2"  
color="#808080" face="Tahoma">All times listed are in the followin g time  
zone:UTC</font><strong><div><font face="Tahoma" color="#000000" siz  
e="2">&nbsp;</font></div></strong><hr tabindex="-1"><font face="Tahoma" s ize="2"><b>From:</b>  
Andrew, Gary<br><b>Sent:</b> Friday, September 16, 2016 2:24:46 PM<br><b>To:</b> Willis, Forest A  
CIV; Webster, James; J oyce\_Stanley@ios.doi.gov; GSpringer@adem.state.al.us; Berry, Chuck; Lo  
ughran, Lori A LCDR; Eichinger, Kevin; Andrew, Gary<br><b>Cc:</b> lin dy\_nelson@ios.doi.gov;  
Keenan, Gwen; Stilman, Terry; Harper, Greg; Moore, Tony; Springer, Grady; Sachtleben,  
Glen<br><b>Subject:</b> New Time ! RRT 4 Incident Specific Activation - Pelham Pipeline  
Spill<br><b>W hen:</b> Friday, September 16, 2016 6:00 PM-7:00 PM.<br><b>Where:</b> 1- 866-299-  
3188; 4045628758#<br></font><br><div></div></div>

<font size="2" ><span style="font-size:10pt;"><div class="PlainText">Time Adjusted to Me et Field  
Schedule<br>

&nbsp;<br>

Draft Agenda:<br>

&nbsp;<br>

RRT 4 Incident Specific Activation: Pelham Pipeline Spill<br>

Roll Call: Gary A ndrew<br>

Welcome: James Webster<br>

Site Briefing: EPA OSC Chuck Berry<br>

Discussion: James Webster<br>  
Summary: Gary Andrew<br>  
Closing Comments: Co-Chairs, ADEM, DOI<br>  
&nbsp;<br>  
&nbsp;<br>  
Call-in #: 866  
Conference #:  
</div></span></font>  
</body >  
</html>

Section 2: Internal Agency Rules

**X-MICROSOFT-CDO-BUSYSTATUS**  
BUSY

**X-MICROSOFT-CDO-IMPORTANCE**  
1

**X-MICROSOFT-CDO-INTENDEDSTATUS**  
BUSY

5 U  
Pr  
Specific



**To:** Webster, James[Webster.James@epa.gov]  
**From:** Dorsey, Claudette  
**Sent:** Fri 9/16/2016 3:51:11 PM  
**Subject:** SFD Weekly Accomplishments Report for HQ  
DRAFT - REPORT ITEM DESCRIPTION-09-15-16.docx

Jim, could you take a look at the attached list of items from SAMS that you feel are important enough to go to Headquarters for this week? Please return to me for distribution. Thanks

**Claudette Dorsey**

**Executive Staff Assistant**

**Environmental Protection Agency**

**Superfund Division**

**61 Forsyth Street**

**Atlanta, Georgia 30303**

**Office: (404) 562-8540**



**To:** Webster, James[Webster.James@epa.gov]  
**From:** Hill, Franklin  
**Sent:** Fri 9/16/2016 1:43:40 AM  
**Subject:** Fwd: Overview Paper on Colonial Pipeline Spill and Fuel Waiver  
Fuel Waiver Concerning Atlanta Georgia and Nashville Tennessee (Final Signed).pdf  
ATT00001.htm  
Colonial Pipeline Spill and Fuel Waiver 2016.docx  
ATT00002.htm

Jim this is what they forwarded this afternoon

Sent from my iPhone

Begin forwarded message:

**From:** "Davis, Amber" <Davis.Amber@epa.gov>  
**Date:** September 15, 2016 at 12:29:44 PM EDT  
**To:** "Gettle, Jeaneanne" <Gettle.Jeaneanne@epa.gov>  
**Cc:** "Webster, James" <Webster.James@epa.gov>, "Moore, Tony" <moore.tony@epa.gov>, "Worley, Gregg" <Worley.Gregg@epa.gov>, "Thompson, Christopher" <Thompson.Christopher@epa.gov>, "Gustafson, Kurt" <Gustafson.Kurt@epa.gov>, "Worley, Gregg" <Worley.Gregg@epa.gov>, "Fite, Mark" <Fite.Mark@epa.gov>, "Hill, Franklin" <Hill.Franklin@epa.gov>, "Kemker, Carol" <Kemker.Carol@epa.gov>, "Delli-Gatti, Dionne" <Delli-Gatti.Dionne@epa.gov>, "Wise, Allison" <Wise.Allison@epa.gov>, "Harper, Greg" <Harper.Greg@epa.gov>, "Benjamin, Lynorae" <benjamin.lynorae@epa.gov>  
**Subject:** Overview Paper on Colonial Pipeline Spill and Fuel Waiver

Jeaneanne,

Please see the attached overview of the Colonial Pipeline spill and subsequent fuel waiver granting process. The document has been reviewed by both Superfund and OECA. For reference, the signed waiver is also attached. Please don't hesitate to let me know if you need anything else as you prepare for the briefing with Administrator McCarthy.

Amber

P.S. A special thank you to Tony Moore and Chris Thompson for submitting their edits lickety-split!

**Amber Davis, Chief** | Communities Support Section | U.S. Environmental Protection Agency |  
Region 4 | APTMD | 61 Forsyth St. SW | Atlanta, GA 30303 | Tel 404.562.9014 |  
[davis.amber@epa.gov](mailto:davis.amber@epa.gov)

## **Colonial Pipeline Spill and Fuel Waiver Overview**

### **September 15, 2016**

Colonial Pipeline is an Alpharetta, Georgia based company that operates 5,500 miles of pipeline from Houston to the New York harbor. On September 9, 2016 at 1449 hours, the company reported a gasoline spill in Shelby County, Alabama from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek, a tributary of the Cahaba River. Two ponds have been directly impacted by the discharge with defensive measures established and close monitoring on a third pond. The initial report to Colonial Pipeline was made by the property owner with no volume estimate. When Colonial Pipeline first communicated with the responding On Scene Coordinator (OSC), it was indicated that between 1,000 and 2,000 gallons of gasoline had entered the pond. The spill volume has since been updated to 235,000 gallons.

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels were detected around the spill location. Shelby County Emergency Management responded and confirmed that there were no public or private drinking water sources threatened by the spill.

The Alabama Department of Environmental Management is integrated into Unified Command (UC) and is coordinating with the EPA, Colonial Pipeline and county agencies. An Incident Command Post is established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline and fuel emissions within explosive limits.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

Colonial Pipeline is actively vacuuming product and pressuring the line with nitrogen to increase recovery in an effort to purge the pipeline. The pressurization of the line increases the rate of discharge at the break. Lower Explosive Limit (LEL) levels at the break are too high to recover product before it discharges to the stream and then into the ponds.

The high level of explosive vapors continue to be the greatest limiting factor to the recovery operations. A contractor for Colonial Pipeline is providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs, and explosive vapors were established at the start of the response. Work interruptions continue due to excessive benzene and LEL readings. On September 14, the highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 41% range.

Colonial Pipeline has removed approximately 178,217 gallons of liquid from Pond 2. Of that, 48,125 gallons of fuel have been recovered, and 130,092 gallons of mixed oil/water remain. The company has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of September 13. Colonial Pipeline will perform a final mass balance after all product is recovered. A substantial

underflow dam has been put in place at the outfall of third pond, which continues to be monitored by Colonial Pipeline. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected.

Representatives from the EPA and the U.S. Coast Guard Gulf Strike Team (GST) remain incorporated into the Operations Section and air monitoring. The OSC for Operations and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

A representative of the EPA Region 4 Office of External Affairs arrived at Incident Command Center and integrated into Joint Information Center (JIC) on September 14. The JIC set up two interviews with all member of the UC. AL.com and WBRC, news outlets from Birmingham, Alabama, were present. Additionally, Colonial Pipeline visited the 15 homes nearest to the spill site. They were able to discuss the situation with nine households, as well as handout fact sheets.

The fire chief deemed that the transfer of product from the pipeline to frac tanks was too high risk, so operations are utilizing tanker trucks. Scrubbers are being used to reduce the gasoline vapors on vacuum trucks while they pumped product from the pipeline to transport tanker trucks. Tanker trucks are making a round trip to Colonial Pipeline's Pelham Junction facility to off-load.

On September 14, the UC learned that the Colonial Pipeline contractor began collecting water samples on Saturday, September 10. Nine sampling locations have been established. Two water samples collected from Pond 3 had benzene levels detected at 90 mg/L and 98 mg/L, and the other seven were below detection limits.

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center to increase the site ceiling from \$45,000 to \$100,000. The OSC has requested two START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts. EPA will continue to participate in the UC, monitor removal activities, monitor air safety, participate in the JIC, prepare for and coordinate a transition to a removal phase, and begin water sampling.

On September 13, the Georgia Environmental Protection Division (EPD) learned that with less than 72 hours before the expiration of summer ozone season, there were shortages of 7.8 Reid vapor pressure (RVP) gasoline at several gasoline terminals supplying the Atlanta metropolitan area due to the Colonial Pipeline incident. (40 CFR Part 80 requires the use of 7.8 RVP gasoline from June 1 to September 15 in certain nonattainment areas to reduce evaporative emissions from gasoline that contribute to ground-level ozone.) That day EPD requested a waiver to use available 9.0 RVP gas until 11:59 p.m. on September 15 when the summer ozone season expires. The request included Cherokee, Clayton, Cobb, Coweta, DeKalb, Douglas, Fayette, Forsyth, Fulton, Gwinnett, Henry, Paulding, and Rockdale counties.

EPA immediately began the process of verifying that the Clean Air Act statutory requirements for an emergency fuel waiver had been met. This effort included reaching out to various industry contacts for information on product availability and consulting with the Department of Energy (DOE). On September 14, the Tennessee Department of Environment & Conservation requested a fuel waiver based on similar supply issues in the Nashville metropolitan area, and EPD updated its request. The affected Tennessee counties included Davidson, Rutherford, Sumner, Williamson, and Wilson.

That evening EPA, in concurrence with DOE, determined that it was necessary to take action to

minimize or prevent disruption of an adequate supply of fuel to consumers and waived the federal gasoline low volatility requirements under the Clean Air Act for the 13 counties in metropolitan Atlanta and five counties in metropolitan Nashville, and a joint waiver was granted. It is attached for reference. Under this temporary waiver, regulated parties may sell or distribute gasoline with a maximum RVP of 9.0 psi (10.0 psi if the gasoline contains between 9% and 10% ethanol) in the affected counties through 11:59 p.m. on September 15, 2016.

During the fuel waiver process EPA maintained regular communication with both state entities via email, personal calls, and conference calls. The EPA will continue to work with DOE to monitor the impact of the pipeline failure on the fuel supply situation in the affected counties and the region.

DRAFT





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

SEP 14 2016

THE ADMINISTRATOR

The Honorable Nathan Deal  
Governor of Georgia  
206 Washington Street  
111 State Capitol  
Atlanta, Georgia 30334

The Honorable Bill Haslam  
Governor of Tennessee  
State Capitol, 1st Floor  
600 Charlotte Ave  
Nashville, Tennessee 37243

Re: Fuel Waiver Concerning Atlanta, Georgia and Nashville, Tennessee

Dear Governor Deal and Governor Haslam:

This letter is in response to your September 14, 2016 requests that the U.S. Environmental Protection Agency waive the federal gasoline low volatility requirements under the Clean Air Act (CAA) for 13 counties in metropolitan Atlanta, Georgia, and five counties in metropolitan Nashville, Tennessee.<sup>1</sup> (the Affected Counties) due to a disruption in the supply of low volatility fuel caused by an unanticipated pipeline failure in Alabama on a pipeline owned by the Colonial Pipeline Company. The EPA and the U.S. Department of Energy have been actively monitoring the supply of fuel to the Affected Counties. In addition, we have been coordinating with Georgia and Tennessee state officials throughout this period. The EPA has determined, and DOE concurs, that it is necessary to take action to minimize or prevent disruption of an adequate supply of fuel to consumers in the Affected Counties. By this letter, I am granting a waiver of the 7.8 pounds per square inch (psi) Reid vapor pressure (RVP) requirement for gasoline, as provided below.

The regulations promulgated under the CAA require gasoline sold in the Affected Counties to have a maximum RVP of 7.8 psi during the "high ozone" season, which lasts through 11:59 p.m. September 15, 2016, after which state compliant gasoline may be sold and distributed in the Affected Counties under applicable regulations. See 40 C.F.R. § 80.27(a)(2)(ii) and EPA guidance at <https://www.epa.gov/gasoline-standards/gasoline-reid-vapor-pressure>. The unanticipated pipeline failure has resulted in a significant curtailment of the supply of 7.8 psi RVP gasoline available for distribution in the Affected Counties because the Colonial Pipeline supplies a large portion of the low volatility fuel to the Affected Counties.

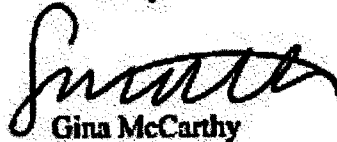
<sup>1</sup> Georgia Counties: Cherokee, Clayton, Cobb, Coweta, DeKalb, Douglas, Fayette, Forsyth, Fulton, Gwinnett, Henry, Paulding, Rockdale. Tennessee Counties: Davidson, Rutherford, Sumner, Williamson, Wilson

I have determined that an "extreme and unusual fuel supply circumstance" exists that will prevent the distribution of an adequate supply of gasoline to consumers in the Affected Counties. CAA § 211(c)(4)(C)(ii)(I), 42 U.S.C. § 7545(c)(4)(C)(ii)(I). This extreme and unusual fuel circumstance is the result of a pipeline failure, an event that could not reasonably be foreseen or prevented, and is not attributable to a lack of prudent planning on the part of suppliers of the fuel to these areas. CAA § 211(c)(4)(C)(ii)(II), 42 U.S.C. § 7545(c)(4)(C)(ii)(II). Further, I have determined that it is in the public interest to grant this waiver and that this waiver applies to the smallest geographic area necessary to address the fuel supply circumstances. CAA § 211(c)(4)(C)(ii)(III) and (iii)(I), 42 U.S.C. § 7545(c)(4)(C)(ii)(III) and (iii)(I).

Therefore, to minimize or prevent problems with the supply of gasoline, I am today issuing this waiver of the 7.8 psi RVP requirement for gasoline sold in the Affected Counties for the remainder of the "high ozone" season. This waiver is effective immediately and will continue through 11:59 p.m. September 15, 2016. Under this temporary waiver, regulated parties may sell or distribute gasoline with a maximum RVP of 9.0 psi (10.0 psi if the gasoline contains between 9 percent and 10 percent ethanol) in the Affected Counties.

The EPA will continue to work with DOE to monitor the impact of the pipeline failure on the fuel supply situation. If you have questions you may call me, or your staff may call Phillip A. Brooks at (202) 564-0652.

Sincerely,



Gina McCarthy

cc: The Honorable Dr. Ernest Moniz  
Secretary of Energy

**To:** Webster, James[Webster.James@epa.gov]  
**From:** Hill, Franklin  
**Sent:** Fri 9/16/2016 1:02:56 AM  
**Subject:** Re: EOC Spot Report: Region 4, Colonial Pipeline Spill, Pelham, AL (NRC # 1158584) – Update #5

I know Jim. This Stan being Stan.

Sent from my iPhone

On Sep 15, 2016, at 9:02 PM, Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

Franklin

My folks are focusing on response. We are not aware of what Tennessee is requesting.

Sent from my iPhone

Begin forwarded message:

**From:** "Moore, Tony" <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)>  
**Date:** September 15, 2016 at 8:51:32 PM EDT  
**To:** "Hill, Franklin" <[Hill.Franklin@epa.gov](mailto:Hill.Franklin@epa.gov)>  
**Cc:** "Webster, James" <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>  
**Subject:** Re: EOC Spot Report: Region 4, Colonial Pipeline Spill, Pelham, AL (NRC # 1158584) – Update #5

This is my first hearing of a TN waiver

Sent from my iPhone

On Sep 15, 2016, at 8:49 PM, Hill, Franklin <[Hill.Franklin@epa.gov](mailto:Hill.Franklin@epa.gov)> wrote:

Sent from my iPhone

Begin forwarded message:

**From:** "Meiburg, Stan" <[Meiburg.Stan@epa.gov](mailto:Meiburg.Stan@epa.gov)>  
**Date:** September 15, 2016 at 6:46:22 PM EDT  
**To:** "Heard, Anne" <[Heard.Anne@epa.gov](mailto:Heard.Anne@epa.gov)>, "Lapierre, Kenneth" <[Lapierre.Kenneth@epa.gov](mailto:Lapierre.Kenneth@epa.gov)>, "Hill, Franklin" <[Hill.Franklin@epa.gov](mailto:Hill.Franklin@epa.gov)>, "Kemker, Carol" <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)>, "Wilkes, Mary"

<Wilkes.Mary@epa.gov>

**Subject: Fwd: EOC Spot Report: Region 4, Colonial Pipeline Spill,  
Pelham, AL (NRC # 1158584) – Update #5**

Note: this SITREP did not include, but should have, the associated request  
by TN for an RVP waiver.

Stan

Sent from my iPhone

Begin forwarded message:

**From:** "Eoc, Epahq" <Eoc.Epahq@epa.gov>

**Date:** September 15, 2016 at 11:59:56 AM CDT

**To:** "Eoc, Epahq" <Eoc.Epahq@epa.gov>

**Subject: EOC Spot Report: Region 4, Colonial Pipeline Spill,  
Pelham, AL (NRC # 1158584) – Update #5**

**This report is being sent as a bcc to prevent accidental Reply to All  
messages.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

<image001.png>

**EOC Spot Report: Region 4, Colonial Pipeline  
Spill into Pond Near Peel Creek, Pelham, AL  
(NRC # 1158584) – Update #5**

**US Environmental Protection Agency**

**Report as of 1300 ET on 09/15/2016**

**Overview:** On September 9<sup>th</sup> at 1449 ET, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek, a tributary of the Cahaba River. An estimated 6,000 barrels of gasoline (253,000 gallons) have been discharged as a result of the leak. The spill location is in a remote location so no evacuations are necessary. The nearest residential neighborhood is located two miles away.

Colonial Pipeline crews continue to prepare the affected pipeline segment for excavation and repair while cleaning up the spill. Colonial Pipeline continues to collaborate with local, state and federal agencies, including the Environmental Protection Agency, Shelby County Emergency Management Agency, Helena Fire Department, Pelham Fire Department, and others in connection with the response. As a precautionary measure, airspace above the release location has been restricted to further protect responders, personnel and the public. According to the FAA, the restriction will remain in effect until 9/18/16.

Colonial has removed approximately 178,217 gallons of liquid from Pond 2. Of that volume, 48,125 gallons of oil have been separated and 130,092 gallons of mixed oil/water remain. Colonial established a pumping area on the north end of the pond where vapor levels were lower. Vacuum trucks continue to pump from this location. Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The high level of explosive vapors is the greatest limiting factor to recovery operations. Colonial contractor CTEH is on site providing air monitoring services. All personnel entering the hot zone are required to have flame resistant clothing and an air monitoring escort. Action levels

for benzene, VOCs and explosive vapors have been established.

The diversions designed for Pond 3 are in place, which include a substantial underflow dam at the pond's outfall. No oil sheening is visible along the shoreline at Pond 3. Colonial continues to monitor the pond and will notify Unified Command if any petroleum is observed.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The Shelby County Emergency Management Association (EMA) responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State- and County-level agencies. An Incident Command post was established in Hoover, Alabama. United States Coast Guard (USCG) Gulf Strike Team (GST) members have been assisting with health and safety oversight and response operations.

**EPA Actions:** Four EPA Region 4 personnel and 4 USCG Strike Team Members are currently deployed to assist with the response and are integrated into Unified Command. EPA and USCG GST members are incorporated into air monitoring efforts. A Community Involvement Coordinator (CIC) is assisting at the Joint Information Center (JIC). The JIC set up two interviews with all members of UC. The Birmingham, AL news outlets were WBRC and [AL.com](http://al.com). At this time, a Regional Response Team 4 (RRT4) activation is not planned. A Natural Resources Trustee consultation was held with a Region 4 Department of Interior representative. Threatened and endangered species in the area of the spill have been identified but are not impacted. Due to the ongoing response efforts, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

**Media Interest:** Low (local)

[http://www.al.com/news/index.ssf/2016/09/pipeline leak spilled an estim.html](http://www.al.com/news/index.ssf/2016/09/pipeline_leak_spilled_an_estim.html)

**The HQ EOC will continue to monitor and provide updates as needed.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

Eugene Lee, Senior Watch Officer

U.S. Environmental Protection Agency

Headquarters Emergency Operations Center

1200 Pennsylvania Ave

Washington, DC 20004

202-564-3850

<mailto:eoc.epahq@epa.gov>



**To:** Webster, James[Webster.James@epa.gov]  
**From:** Andrew, Gary  
**Sent:** Fri 9/16/2016 1:34:05 PM  
**Subject:** RE: Pipeline Leak - Helena, AL - Current Situation Report - 16 Sep 16 (Update 01) (FOUO)

This is the draft I sent out:

RRT 4 Incident Specific Activation: Pelham Pipeline Spill

Roll Call: Gary Andrew

Welcome: James Webster

Site Briefing: OSC Chuck Berry

Discussion: James Webster

Summary: Gary Andrew

Closing Comments: Co-Chairs, ADEM, DOI

Gwen will forward invites to the ESF folks she wanted to brief today.

The Fish and Wildlife folks initially provided all of the information we needed to set up a PRFA, but no statement of work. Perhaps they had other ideas beyond NRDA. I will send you the package I forwarded to Greg that R5 uses when bringing FWS on board.

Gary A

**From:** Webster, James  
**Sent:** Friday, September 16, 2016 8:49 AM  
**To:** Andrew, Gary <Andrew.Gary@epa.gov>  
**Subject:** RE: Pipeline Leak - Helena, AL - Current Situation Report - 16 Sep 16 (Update 01)

(FOUO)

Sure

Lets develop a short agenda.

**From:** Andrew, Gary  
**Sent:** Friday, September 16, 2016 8:17 AM  
**To:** Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>  
**Subject:** Fwd: Pipeline Leak - Helena, AL - Current Situation Report - 16 Sep 16 (Update 01)  
(FOUO)

Should we tie this into the 1pm call?

Gary A Andrew, CHMM

Federal On Scene Coordinator

EPA RRT IV Coordinator

678-733-1621

Begin forwarded message:

**From:** "Keenan, Gwen" <[gwen.keenan@fema.dhs.gov](mailto:gwen.keenan@fema.dhs.gov)>  
**Date:** September 16, 2016 at 7:56:21 AM EDT  
**To:** "Andrew, Gary" <[Andrew.Gary@epa.gov](mailto:Andrew.Gary@epa.gov)>  
**Subject:** FW: Pipeline Leak - Helena, AL - Current Situation Report - 16 Sep 16  
(Update 01) (FOUO)

Gary,

We were looking to an awareness briefing with partners. Is RRT already doing anything that we could tap into?

We were thinking of having NPPD, ESFs 1/3/10/12/15 for SA.

I don't want to muck up something already in works.

VR

Gwen

Gwen Keenan

FEMA R IV  
Response Division Director

Sent from my iFEMA mobile device.

---

**From:** Robinson, Donald  
**Sent:** Friday, September 16, 2016 12:29:50 PM  
**To:** Keenan, Gwen  
**Subject:** RE: Pipeline Leak - Helena, AL - Current Situation Report - 16 Sep 16 (Update 01) (FOUO)

That's a great idea...we were trying to figure out how to engage with doe regionally.

---

**From:** Keenan, Gwen  
**Sent:** Friday, September 16, 2016 12:21:44 PM  
**To:** Robinson, Donald  
**Subject:** FW: Pipeline Leak - Helena, AL - Current Situation Report - 16 Sep 16 (Update 01) (FOUO)

Don,

I know there are some info distribution concerns with this, but would it be acceptable to bring in some of our ESFs and maybe state partners to discuss status and contingencies?

We have been laying the ground work to wargame some fuel/energy issues so I was just considering accelerating that group's discussion.

I don't want to be Henny Penny but neither do I want to sit in my heels and wish anything away.

Also, ok if I share with my counterparts in R2 and 3? I assume they are receiving from their "you" but you know what they say about assuming.....

VR  
Gwen

Gwen Keenan  
FEMA R IV  
Response Division Director

Sent from my iFEMA mobile device.

---

**From:** Keenan, Gwen  
**Sent:** Friday, September 16, 2016 12:02:56 PM  
**To:** Brown, Terry L; Hare, Kertz M; Sachtleben, Glen; Gunnin, Stacy; Goza, Lora  
**Subject:** RE: Pipeline Leak - Helena, AL - Current Situation Report - 16 Sep 16 (Update 01) (FOUO)

All,

It is probably worth spending so time with partners (particularly 12) to work through potential impacts and options IF we had an event right now/in near future.

If pipeline stayed down and we had a system come in, the maritime contingency they mentioned could be shut down for a significant period.

Based on the verbiage below, this has pretty significant service to most of R4, as well as R2 and R3.

On one hand, not our baby right now. But we could be handling the consequences in fairly short order.

Thoughts/suggestions?

Gwen Keenan  
FEMA R IV  
Response Division Director

Sent from my iFEMA mobile device.

---

**From:** FEMA-R4-WatchUnit  
**Sent:** Friday, September 16, 2016 6:41:15 AM  
**To:** Colton, Kevin; FEMA-MOC-THOMASVILLE; FEMA-R4-WatchUnit; Keenan, Gwen; Amos, George; Baker, Stuart; Bell, Jacky; Brown, Terry L; Bruey, Gary; Burnside, Conrad; Goza, Lora; Greene, Crystal; Gunnin, Stacy; Hare, Kertz M; Hudak, Mary; Jarvis, Allan; Newton, Elton Andrew; Perales, Anthony; Reginello, Jackie; Rhoads, Valerie; Robinson, Talmadge; Sachtleben, Glen;

Baker, Stuart; Bruey, Gary; Goodman, Amy; Hudak, Mary; Jarvis, Allan; Keenan, Gwen; Munoz, Jesse; Newton, Elton Andrew; Quarles, Terry; Robertson, Wilhelmina; Sachtleben, Glen; Samaan, Robert; Szczech, Gracia; Turner, Libby; Winfield, W Montague; Yearwood, George; Girot, Jose; Haywood, Robert A; Moore, Mike (FCO); Nunn, Willie; Parker, Michael; Riley, Warren; Toro, Manny J; Turner, Libby; Baker, Stuart; Hudak, Mary; Samaan, Robert; Szczech, Gracia; Yearwood, George; Teague, Brian; 'Thompson, John W. COL DCO'; Yee, Lai Sun  
**Subject:** FW: Pipeline Leak - Helena, AL - Current Situation Report - 16 Sep 16 (Update 01) (FOUO)

FYSA

Point of Contact:

Frank Crutchfield, Watch Analyst

Region IV Watch Center

Phone: 770-220-3158/3159/3162, Fax: 770-220-8797

[FEMA-R4-WatchUnit@fema.dhs.gov](mailto:FEMA-R4-WatchUnit@fema.dhs.gov)

FOR OFFICIAL USE ONLY

For your situational awareness:

**Critical Infrastructure Involved:** Transportation Systems (Pipeline Systems)

---

**(For Mobile Devices)**

On 09 Sep, Colonial Pipeline reported two gasoline pipelines were shut down as a precaution due to a pipeline leak in Helena, AL.

- The Department of Energy reported the leak on the 1.37 million barrels per day (b/d) Line 1 spilled an estimated 6,000 barrels of gasoline (252,000 gallons) since it was discovered on 09 Sep

➤ The company shut down its main gasoline and distillate lines – Lines 1 and 2 – on Friday 09 Sep, but have since restarted the 1.16 million (b/d) Line 2

- On 15 Sep, Colonial Pipeline reported it was delaying the full restart of its Line 1 until next week

➤ The company had previously expected to restart Line 1 by this weekend but work was delayed on Wednesday evening and into Thursday morning due to unfavorable weather conditions, which caused gasoline vapors to settle over the incident site

- According to Colonial Pipeline, based on current projections and consultations with industry partners, parts of Georgia, Alabama, Tennessee, North Carolina and South Carolina will be the first markets to be impacted by any potential disruption in supply

➤ Colonial Pipeline provided no specifics on potential impacts in these states

- In order to mitigate potential supply disruptions, Colonial Pipeline reports they executed a contingency plan to move gasoline on Line 2 which normally carries diesel, jet fuel, and home heating products

➤ Additionally, they restarted a portion of Line 1 upstream of the spill site between Houston, TX and Boligee, AL

➤ Colonial also reported fuel shippers have begun to implement contingency plans to further mitigate potential disruption to their operations, including dispatching waterborne cargoes from the Gulf Coast to markets along the Eastern Seaboard

- On 15 Sep 16, the Governors of Alabama and Georgia declared a state of emergency to keep gas flowing

➤ The declaration will facilitate the granting of a waiver from the U.S. Department of Transportation- Federal Motor Carrier Safety Administration to aide in transportation of fuel and commodities to the affected area

- As a precautionary measure, airspace above the release location has been restricted to further protect responders, personnel and the public

➤ According to the Federal Aviation Administration, this restriction will remain in effect until September 18, 2016

- The Colonial pipeline system connects Gulf Coast refineries with markets across the southern and eastern U.S. through more than 5,500 miles of pipeline, delivering gasoline, diesel, jet fuel, and other refined products

➤ Lines 1 and 2 run from Houston, TX to Greensboro, NC, supplying markets in

MS, AL, TN, SC, and NC

➤ Colonial's Lines 3 and 4 move fuels north from Greensboro, NC to markets in VA, MD, PA, and NJ before terminating in the NY Harbor area

The NICC continues to monitor this incident and will provide additional information if warranted.

If you have any questions or concerns about this matter, contact the NICC at 202-282-9201 or [NICC@hq.dhs.gov](mailto:NICC@hq.dhs.gov).

V/R,

NICC Watch Operations

Department of Homeland Security

202-282-9201

Email: [nicc@hq.dhs.gov](mailto:nicc@hq.dhs.gov)

HSDN: [ip.nicc@dhs.sgov.gov](mailto:ip.nicc@dhs.sgov.gov)

JWICS: [ip.nicc@dhs.ic.gov](mailto:ip.nicc@dhs.ic.gov)

For information about the Hometown Security initiative, please visit:

[www.dhs.gov/hometown-security](http://www.dhs.gov/hometown-security)

For more information on the NICC go to:  
[DHS National Infrastructure Coordinating Center](#)

Distro List:

Finished Reports I/II/III

NICC SWO

NICC ASWO

NICC Support

PSA AL, GA, SC, NC

PSA Region IV, III, II

ISCD Region 4, 3, 2

NPPD Region 4 Pilot Team

*The information contained in this communication from the NICC may be sensitive, privileged, and or confidential and is not intended for third party distribution without the express approval of the NICC. Please address requests for further distribution, questions, or comments to the NICC by phone (202.282.9201) or email ([NICC@hq.dhs.gov](mailto:NICC@hq.dhs.gov)). If you are not an intended recipient of this transmission, the dissemination, distribution, copying or use of the information is strictly prohibited.*

FOR OFFICIAL USE ONLY

**To:** Webster, James[Webster.James@epa.gov]  
**From:** Harper, Greg  
**Sent:** Thur 9/15/2016 2:41:34 PM  
**Subject:** RE: SITREP #5 - Pelham Pipeline Spill

Jim,

You are asking me to include the agency names in that paragraph, correct?

Thanks,

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response Removal and Preparedness Branch, 11th Floor

61 Forsyth Street, S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**From:** Webster, James  
**Sent:** Thursday, September 15, 2016 8:42 AM  
**To:** Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** RE: SITREP #5 - Pelham Pipeline Spill

Please modify the sentence indicating that appropriate RRT members were notified to identify the actual members notified. Also, Please copy Forrest Willis (RRT4 Co-Chair) on sitreps.

**From:** Harper, Greg  
**Sent:** Wednesday, September 14, 2016 8:51 PM  
**Cc:** Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** SITREP #5 - Pelham Pipeline Spill



## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #5**

1800 CDT, September 14, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous

explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

## **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

OSC Garrard was mobilized to the site to overlap with OSC Williamson today, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader. OSC Williamson demobilized during this operational period.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

## **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

## **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increase the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 41% range.

Colonial has managed to remove approximately 178,217 gallons of liquid from Pond 2. Of that volume 48,125 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney arrived at Incident Command Center and integrated into JIC. The JIC set up two interviews with all members of UC, including OSC Berry. The Birmingham, AL news outlets were WBRC and AL.com. Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.

The fire chief deemed the transfer of product from the pipeline to frac tanks was to high risk, therefore operations changed to direct tanker to tanker trucks. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-load.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. 9 sampling locations have been established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the other 7 were below detection limits.

### **PLANNED RESPONSE ACTIVITIES**

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

Because UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. EPA OSC has requested two START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts.

- ☐ ☐ ☐ ☐ ☐ ☐ Continue to participate in UC
- ☐ ☐ ☐ ☐ ☐ ☐ Monitor removal activities
- ☐ ☐ ☐ ☐ ☐ ☐ Monitor safety air monitoring
- ☐ ☐ ☐ ☐ ☐ ☐ Participate in the Joint Information Center
- ☐ ☐ ☐ ☐ ☐ ☐ Prepare for and coordinate a transition to a removal phase

- Preform water sampling

**To:** Webster, James[Webster.James@epa.gov]  
**From:** Willis, Forest A CIV  
**Sent:** Thur 9/15/2016 1:40:34 PM  
**Subject:** RE: SITREP #5 - Pelham Pipeline Spill

Thanks

-----Original Message-----

**From:** Webster, James [mailto:Webster.James@epa.gov]  
**Sent:** Thursday, September 15, 2016 9:27 AM  
**To:** Willis, Forest A CIV  
**Subject:** [Non-DoD Source] FW: SITREP #5 - Pelham Pipeline Spill

**From:** Harper, Greg  
**Sent:** Thursday, September 15, 2016 8:48 AM  
**To:** william.deas@HQ.DHS.GOV; michael.k.sams@uscg.mil  
**Cc:** Webster, James <Webster.James@epa.gov>; Moore, Tony <moore.tony@epa.gov>; Andrew, Gary <Andrew.Gary@epa.gov>  
**Subject:** FW: SITREP #5 - Pelham Pipeline Spill

Mr. Deas and Mr. Sams,

It has been requested to send you all the past SITREPs for the Pelham Pipeline Spill and include you in all the future SITREPs. If you have any questions please let me know.

Thank you,

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response Removal and Preparedness Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

harper.greg@epa.gov

From: Harper, Greg  
Sent: Wednesday, September 14, 2016 8:51 PM  
Cc: Harper, Greg <Harper.Greg@epa.gov>  
Subject: SITREP #5 - Pelham Pipeline Spill

epa\_er\_logo.gif

NRC 1158584, Pelham Pipeline Spill

Pelham, Shelby County, Alabama

SITUATION REPORT #5

1800 CDT, September 14, 2016

#### INCIDENT DESCRIPTION

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons - See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

## INCIDENT MANAGEMENT

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

OSC Garrard was mobilized to the site to overlap with OSC Williamson today, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader. OSC Williamson demobilized during this operational period.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

## REPORTING SCHEDULE

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

## CURRENT OPERATIONS

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increase the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 41% range.

Colonial has managed to remove approximately 178,217 gallons of liquid from Pond 2. Of that volume 48,125 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney arrived at Incident Command Center and integrated into JIC. The JIC set up two interviews with all members of UC, including OSC Berry. The Birmingham, AL news outlets were WBRC and AL.com. Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.

The fire chief deemed the transfer of product from the pipeline to frac tanks was to high risk, therefore operations changed to direct tanker to tanker trucks. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-load.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. 9 sampling locations have been established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the other 7 were below detection limits.

## PLANNED RESPONSE ACTIVITIES

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

Because UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. EPA OSC has requested two START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts.

- \* Continue to participate in UC
- \* Monitor removal activities
- \* Monitor safety air monitoring
- \* Participate in the Joint Information Center
- \* Prepare for and coordinate a transition to a removal phase
- \* Perform water sampling



**To:** Webster, James[Webster.James@epa.gov]  
**From:** Harper, Greg  
**Sent:** Thur 9/15/2016 12:58:21 PM  
**Subject:** Re: SITREP #5 - Pelham Pipeline Spill

I will work on that.

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street, S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

harper.greg@epa.gov

Sent from my iPhone

On Sep 15, 2016, at 8:42 AM, Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

Please modify the sentence indicating that appropriate RRT members were notified to identify the actual members notified. Also, Please copy Forrest Willis (RRT4 Co-Chair) on sitreps.

**From:** Harper, Greg  
**Sent:** Wednesday, September 14, 2016 8:51 PM  
**Cc:** Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)>  
**Subject:** SITREP #5 - Pelham Pipeline Spill

<image002.jpg>

# **NRC 1158584, Pelham Pipeline Spill**

## **Pelham, Shelby County, Alabama**

### **SITUATION REPORT #5**

1800 CDT, September 14, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

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Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate

members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

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Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

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### **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increase the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

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been established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the other 7 were below detection limits.

### PLANNED RESPONSE ACTIVITIES

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- Continue to participate in UC
- Monitor removal activities
- Monitor safety air monitoring
- Participate in the Joint Information Center
- Prepare for and coordinate a transition to a removal phase
- Preform water sampling



**To:** michael.k.same@uscg.mil[michael.k.same@uscg.mil]  
**From:** Webster, James  
**Sent:** Thur 9/15/2016 12:48:31 PM  
**Subject:** [Non-DoD Source] FW: SITREP #5 - Pelham Pipeline Spill  
Pelham Pipeline Spill SITREP 5 09142016.pdf

Sorry Mike,

Keyed in wrong email address

**From:** Webster, James  
**Sent:** Thursday, September 15, 2016 8:46 AM  
**To:** forest.a.willis@uscg.mil; 'michake.k.sams@uscg.mil' <michake.k.sams@uscg.mil>;  
'william.deasW@hq.dhs.gov' <william.deasW@hq.dhs.gov>  
**Subject:** FW: SITREP #5 - Pelham Pipeline Spill

Fyi

Asking them to edit the notification portion to include actual agencies notified.

jim

**From:** Harper, Greg  
**Sent:** Wednesday, September 14, 2016 8:51 PM  
**Cc:** Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** SITREP #5 - Pelham Pipeline Spill



# **NRC 1158584, Pelham Pipeline Spill**

## **Pelham, Shelby County, Alabama**

### **SITUATION REPORT #5**

1800 CDT, September 14, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See "Current Operations" for more information).

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Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members

were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

OSC Garrard was mobilized to the site to overlap with OSC Williamson today, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader. OSC Williamson demobilized during this operational period.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increase the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 41% range.

Colonial has managed to remove approximately 178,217 gallons of liquid from Pond 2. Of that volume 48,125 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney arrived at Incident Command Center and integrated into JIC. The JIC set up two interviews with all members of UC, including OSC Berry. The Birmingham, AL news outlets were WBRC and AL.com. Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.

The fire chief deemed the transfer of product from the pipeline to frac tanks was to high risk, therefore operations changed to direct tanker to tanker trucks. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-load.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. 9 sampling locations have been established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the

other 7 were below detection limits.

## PLANNED RESPONSE ACTIVITIES

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

Because UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. EPA OSC has requested two START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts.

- ☐ ☐ ☐ ☐ ☐ ☐ Continue to participate in UC
- ☐ ☐ ☐ ☐ ☐ Monitor removal activities
- ☐ ☐ ☐ ☐ ☐ Monitor safety air monitoring
- ☐ ☐ ☐ ☐ ☐ Participate in the Joint Information Center
- ☐ ☐ ☐ ☐ ☐ Prepare for and coordinate a transition to a removal phase
- ☐ ☐ ☐ ☐ ☐ Preform water sampling



**To:** forest.a.willis@uscg.mil[forest.a.willis@uscg.mil];  
michake.k.sams@uscg.mil[michake.k.sams@uscg.mil];  
william.deasW@hq.dhs.gov[william.deasW@hq.dhs.gov]  
**From:** Webster, James  
**Sent:** Thur 9/15/2016 12:46:31 PM  
**Subject:** [Non-DoD Source] FW: SITREP #5 - Pelham Pipeline Spill  
Pelham Pipeline Spill SITREP 5 09142016.pdf

Fyi

Asking them to edit the notification portion to include actual agencies notified.

jim

**From:** Harper, Greg  
**Sent:** Wednesday, September 14, 2016 8:51 PM  
**Cc:** Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** SITREP #5 - Pelham Pipeline Spill



## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #5**

1800 CDT, September 14, 2016

## **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

## **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

OSC Garrard was mobilized to the site to overlap with OSC Williamson today, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader. OSC Williamson demobilized during this operational period.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increase the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 41% range.

Colonial has managed to remove approximately 178,217 gallons of liquid from Pond 2. Of that volume 48,125 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney arrived at Incident Command Center and integrated into JIC. The JIC set up two interviews with all members of UC, including OSC Berry. The Birmingham, AL news outlets were WBRC and AL.com. Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.

The fire chief deemed the transfer of product from the pipeline to frac tanks was to high risk, therefore operations changed to direct tanker to tanker trucks. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-load.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. 9 sampling locations have been established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the other 7 were below detection limits.

### **PLANNED RESPONSE ACTIVITIES**

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

Because UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. EPA OSC has requested two

START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts.

- □□□□□□□□ Continue to participate in UC
- □□□□□□□□ Monitor removal activities
- □□□□□□□□ Monitor safety air monitoring
- □□□□□□□□ Participate in the Joint Information Center
- □□□□□□□□ Prepare for and coordinate a transition to a removal phase
- □□□□□□□□ Preform water sampling



**To:** Webster, James[Webster.James@epa.gov]  
**From:** McGuire, Jim  
**Sent:** Mon 9/12/2016 12:00:03 PM  
**Subject:** FW: EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584) – Update #1

fyi

**From:** Meiburg, Stan  
**Sent:** Saturday, September 10, 2016 2:53 PM  
**To:** McGuire, Jim <McGuire.Jim@epa.gov>  
**Cc:** Hill, Franklin <Hill.Franklin@epa.gov>; Cheatham, Reggie <cheatham.reggie@epa.gov>  
**Subject:** Fwd: EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584) – Update #1

Wow! Kind of a rather large upgrade to boost the spill estimate by two orders of magnitude. I have gotten used to lowball first estimates but this seems extreme!

Stan

Sent from my iPhone

Begin forwarded message:

**From:** "Eoc, Epahq" <Eoc.Epahq@epa.gov>  
**Date:** September 10, 2016 at 1:16:16 PM EDT  
**Subject:** EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584) – Update #1

**This report is being sent as a bcc to prevent accidental Reply to All messages.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**



## **EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584) – Update #1**

**US Environmental Protection Agency**

**Report as of 1315 ET on 09/10/2016**

**Overview:** On September 9<sup>th</sup> at 1449 ET, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36” subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek, a tributary of the Cahaba River. The exact amount of the spill is unknown at this time, but Colonial Pipeline initially estimated that between 1000-2000 gallons of gasoline has entered the pond. The spill volume has been updated from the original estimate; Unified Command now reports that at least 100,000 gallons of gasoline have been spilled. Colonial Pipeline has confirmed that the impacted transmission line has been shut down and its environmental contractors are responding to conduct air monitoring and remediation activities.

Work to remediate the spill is delayed due to high concentrations of volatile organic compounds (VOCs) emitted by the large areas of pooled gasoline. Rain is forecasted for Sunday, September 11<sup>th</sup> and Monday, September 12<sup>th</sup>. The spill location is in a very remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location. At this time, site topography is preventing the gasoline from entering Peel Creek. Initial response efforts are focusing on responder health and safety and installing controls to prevent the spill from entering Peel Creek.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The local fire department used firefighting foam to suppress the explosive vapors. The Shelby County Emergency Management Association (EMA) responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State- and County-level agencies. An Incident Command post was established in Hoover, Alabama. Four United States Coast Guard (USCG) Gulf Strike Team (GST) members were requested and will assist with health and safety oversight.

**EPA Actions:** A Region 4 OSC was initially deployed to assist with the response and has integrated into Unified Command. Two additional OSCs have now been deployed to assist within Unified Command. A Community Involvement Coordinator (CIC) was also requested and will assist at the Joint Information Center (JIC). A Natural Resources Trustee consultation was held with a Region 4 Department of Interior representative. Threatened and endangered species in the area of the spill have been identified.

**Media Interest:** Low (local only)

**The HQ EOC will continue to monitor and provide updates as needed.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

Steve Ridenour, Senior Watch Officer

U.S. Environmental Protection Agency

Headquarters Emergency Operations Center

1200 Pennsylvania Ave

Washington, DC 20004

202-564-3850

<mailto:eoc.epahq@epa.gov>

**To:** Gettle, Jeaneanne[Gettle.Jeaneanne@epa.gov]; Heard, Anne[Heard.Anne@epa.gov]; Lapierre, Kenneth[lapierre.kenneth@epa.gov]  
**Cc:** Hill, Franklin[Hill.Franklin@epa.gov]; Chaffins, Randall[Chaffins.Randall@epa.gov]; Kemker, Carol[Kemker.Carol@epa.gov]; Fite, Mark[Fite.Mark@epa.gov]; Davis, Amber[Davis.Amber@epa.gov]  
**Sent:** Fri 9/16/2016 7:26:22 PM  
**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

Jeaneanne,

Do we need to ask Colonia to forward this request to the states or can we make the states aware of the situation?

jw

**From:** Gettle, Jeaneanne  
**Sent:** Friday, September 16, 2016 2:19 PM  
**To:** Heard, Anne <Heard.Anne@epa.gov>; Lapierre, Kenneth <Lapierre.Kenneth@epa.gov>  
**Cc:** Hicks, Javoyne <Hicks.Javoyne@epa.gov>; Jenkins, Brandi <Jenkins.Brandi@epa.gov>; Jones-Johnson, Shea <Jones-Johnson.Shea@epa.gov>; Hill, Franklin <Hill.Franklin@epa.gov>; Chaffins, Randall <Chaffins.Randall@epa.gov>; Webster, James <Webster.James@epa.gov>; Kemker, Carol <Kemker.Carol@epa.gov>; Fite, Mark <Fite.Mark@epa.gov>; Davis, Amber <Davis.Amber@epa.gov>  
**Subject:** Fwd: Waiver of Certain Reformulated Gasoline Regulations

Anne and Ken:

I wanted to make you aware that based on our consultation with HQ the states must make this request, not Colonial Pipeline.

I have advised Franklin and am copying him here. If you have any questions this afternoon, Amber Davis is in the office and I am available via cell except btwn 3:30 - 6:00. My cell is 404-861-6626.

Thanks

Jeaneanne

Sent from my iPhone

On Sep 16, 2016, at 1:39 PM, Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

Thanks Terry

Jeaneanne, FYI

**From:** Stilman, Terry  
**Sent:** Friday, September 16, 2016 1:31 PM  
**To:** Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>  
**Cc:** Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>; Moore, Tony <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)>  
**Subject:** FW: Waiver of Certain Reformulated Gasoline Regulations

Jim,

As we discussed.

Terry.

**From:** Coleman, Shannon P. [<mailto:spcoleman@colpipe.com>]  
**Sent:** Friday, September 16, 2016 1:24 PM  
**To:** Stilman, Terry <[Stilman.Terry@epa.gov](mailto:Stilman.Terry@epa.gov)>  
**Cc:** Lohoff, Drew <[dlohoff@colpipe.com](mailto:dlohoff@colpipe.com)>; Harris, Erin <[eharris@colpipe.com](mailto:eharris@colpipe.com)>;  
Seagraves, Preston T <[PSeagrav@colpipe.com](mailto:PSeagrav@colpipe.com)>  
**Subject:** Waiver of Certain Reformulated Gasoline Regulations

Terry,

Colonial is requesting a waiver of 40 CFR § 80.78(a)(7), which will allow us to commingle RBOB and CBOB prior to the addition of ethanol. As well as a waiver pursuant to CAA § 211(c)(4)(C)(ii)(I), 42 U.S.C. § 7545(c)(4)(C)(ii)(I) to allow conventional gasoline to be sold in Designated RFG Covered Areas. This waiver would need to encompass RBOB and CBOB moved on Colonial Pipeline and Plantation Pipeline. Colonial anticipates needing this waiver for two to four weeks.

I believe my colleague in quality assurance has also reached out to a contact at EPA (Jeff Herzog), so we may be coming at this from both directions. Our apologies.

My contact information is shown below. Please feel free to call or e-mail with any additional questions or concerns.

Regards,

Shannon

Shannon P. Coleman

Colonial Pipeline Company

1185 Sanctuary Pkway, Suite 100

Alpharetta, GA 30009

Direct: 678-

Sent from my iPhone

Begin forwarded message:

**From:** "Webster, James" <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>

**Date:** September 16, 2016 at 1:39:06 PM EDT

**To:** "Stilman, Terry" <[Stilman.Terry@epa.gov](mailto:Stilman.Terry@epa.gov)>, "Gettle, Jeaneanne" <[Gettle.Jeaneanne@epa.gov](mailto:Gettle.Jeaneanne@epa.gov)>, "Kemker, Carol" <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)>, "Hill,

Franklin" <[Hill.Franklin@epa.gov](mailto:Hill.Franklin@epa.gov)>

Cc: "Berry, Chuck" <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>, "Moore, Tony" <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)>

**Subject: RE: Waiver of Certain Reformulated Gasoline Regulations**

Thanks Terry

Jeaneanne, FYI

**From:** Stilman, Terry

**Sent:** Friday, September 16, 2016 1:31 PM

**To:** Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>

**Cc:** Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>; Moore, Tony <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)>

**Subject:** FW: Waiver of Certain Reformulated Gasoline Regulations

Jim,

As we discussed.

Terry.

**From:** Coleman, Shannon P. [<mailto:spcoleman@colpipe.com>]

**Sent:** Friday, September 16, 2016 1:24 PM

**To:** Stilman, Terry <[Stilman.Terry@epa.gov](mailto:Stilman.Terry@epa.gov)>

**Cc:** Lohoff, Drew <[dlohoff@colpipe.com](mailto:dlohoff@colpipe.com)>; Harris, Erin <[eharris@colpipe.com](mailto:eharris@colpipe.com)>;

Seagraves, Preston T <[PSeagrav@colpipe.com](mailto:PSeagrav@colpipe.com)>

**Subject:** Waiver of Certain Reformulated Gasoline Regulations

Terry,

Colonial is requesting a waiver of 40 CFR § 80.78(a)(7), which will allow us to comingle RBOB and CBOB prior to the addition of ethanol. As well as a waiver pursuant to CAA § 211(c)(4)(C)(ii)(I), 42 U.S.C. § 7545(c)(4)(C)(ii)(I) to allow conventional gasoline to be

sold in Designated RFG Covered Areas. This waiver would need to encompass RBOB and CBOB moved on Colonial Pipeline and Plantation Pipeline. Colonial anticipates needing this waiver for two to four weeks.

I believe my colleague in quality assurance has also reached out to a contact at EPA (Jeff Herzog), so we may be coming at this from both directions. Our apologizes.

My contact information is shown below. Please feel free to call or e-mail with any additional questions or concerns.

Regards,

Shannon

Shannon P. Coleman

Colonial Pipeline Company

1185 Sanctuary Pkway, Suite 100

Alpharetta, GA 30009

Direct: 678-762-2523

Mobile:

**Exemption 6 Personal Privacy**



**To:** Hill, Franklin[[Hill.Franklin@epa.gov](mailto:Hill.Franklin@epa.gov)]  
**From:** Webster, James  
**Sent:** Sat 9/17/2016 12:06:32 AM  
**Subject:** Fwd: SITREP #7 - Pelham Pipeline Spill  
[image003.jpg](#)  
[ATT00001.htm](#)  
[Pelham Pipeline Spill SITREP 7 09162016.pdf](#)  
[ATT00002.htm](#)

Sitrep came out immediately after our call have asked crew to include waiver stuff in special ERNS in morning.

Sent from my iPhone

Begin forwarded message:

**From:** "Harper, Greg" <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)>  
**Date:** September 16, 2016 at 8:03:47 PM EDT  
**Cc:** "Harper, Greg" <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)>  
**Subject:** SITREP #7 - Pelham Pipeline Spill



# **NRC 1158584, Pelham Pipeline Spill**

## **Pelham, Shelby County, Alabama**

### **SITUATION REPORT #7**

1800 CDT, September 16, 2016

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#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline Company (CPC) reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to CPC was made by a state mining inspector; however no volume estimate was provided at the time. CPC initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond. The spill volume has since been updated to between 6,000 barrels [bbls] and 8000 bbls (252,000 gallons – 336,000 gallons).

The local fire department responded and established a secured zone around the spill site. Local responders detected hazardous conditions due to potentially explosive vapor concentration around the spill location. Shelby County Emergency Management responded and confirmed that no public or private drinking water sources are currently threatened by the spill.

Alabama Department of Environmental Management (ADEM) and Environmental Protection Agency (EPA) have integrated into Unified Command and are coordinating with State and County Agencies. An Incident Command Post is being operated out of Pelham, Alabama. The spill location is located in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

CPC confirmed that the impacted transmission line is shut down. Environmental contractors for CPC are on site to conduct air monitoring and remediation activities. Delays to remediate the spill routinely occur due to elevated concentrations of volatile organic compounds (VOC), specifically benzene, and explosive vapors exceeding the lower explosive limit (LEL).

EPA consulted with the Department of Interior (DOI) and the State of Alabama to identify threatened and endangered (T&E) species in the area of the spill. To EPA's knowledge, no impacts to T&E species have been reported at this time; however, field crews have noted minimal impacts to wildlife in the spill area.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, CPC, ADEM, and Shelby County. OSC Berry will demobilize on September 17, 2016. OSC Kevin Eichinger will assume EPA's position in Unified Command. OSC Garrard, OSC Tripp and four US Coast Guard Gulf Strike Team members remain deployed to assist with field observations. OSC Stilman remains deployed to assist in the Environmental Unit. Kerisa Coleman, a Region 4 public affairs specialist, arrived September 16, 2016 to assist in the Joint Information Center (JIC).

Current number of EPA Personnel Assigned: 6

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

Current number START Personnel: 3

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

## **CURRENT OPERATIONS**

A 6-inch pipe was observed discharging water from Pond 3; however flow was restricted and likely due to a blockage. CPC has installed a plug in the pipe to reduce the potential of petroleum impacted water being released.

The elevated benzene and LEL continue to be the greatest limiting factor to recovery operations. CPC contractor, Center for Toxicology and Environmental Health, LLC (CTEH), remain on site providing air monitoring services. CTEH continues monitoring air quality in the work zones and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excessive benzene and LEL readings. Today's VOC exceedance levels range from 0 – 1,351.3 (Pond 2a compressor) parts per million (ppm). The exceedances from benzene range 0.05 – 3 (release site) ppm. LEL exceedance levels range from 0% - 10% (Release site).

CPC has managed to recover approximately 286,481 gallons of fuel and 233,228 gallons of mixed oil/water to date.

CPC performed a mass balance calculation and determined an estimated volume of 252,000 gallons of fuel was discharged. That number has been revised to an estimated 336,000 gallons. They estimate 200,705 gallons of fuel evaporated as of 9/16/16. These numbers are approximate and CPC will perform a final mass balance after product recovery activities are complete.

Diversions designed for Pond 3 include a weir and two underflow dams (at the Pond outfall). CPC continues to monitor Pond 3. No oil sheening has been seen along the shoreline on Pond 3. Unified Command (UC) will be notified if any petroleum is observed. OSC Garrard, along with the Gulf Strike Team (GST) and CPC personnel identified additional locations along Peel Creek for potential placement of an additional underflow dam. CPC has agreed to reserve material to construct these features. CPC has estimated a 10-hour construction time for this final structure. To facilitate access, CPC completed construction of an access road along the entire length of Peel Creek.

No adverse weather impacts are expected for the next operational period.

EPA/GST remain incorporated into Operations Section and air monitoring activities. OSC Garrard, OSC Tripp, and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

Kerisa Coleman is representing EPA in the Joint Information Center (JIC).

The Federal Aviation Administration (FAA) continues to maintain an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

Two START members continue the collection of split surface water samples with CPC and conducting oversight of air monitoring activities. Split samples were collected from Pond 3 and confluence of Peel Creek and Cahaba River. In addition, a third START is providing ICS support.

EPA approved the vapor suppression plan and evacuation plan; subsequently, excavation in the area of the damaged pipe began at 1530 this afternoon. Local firefighters used a vapor suppressant agent during excavation activities.

Product recovery operations continue in Pond 2 at two points, southwestern portion of the Pond (2a) and northeast portion of the Pond (2b). CPC primarily used drum skimmers to capture free product from Pond 2. Vacuum trucks from 2b are transferring recovered product to 4 storage tanks at staging 2b. There are 2 storage tanks at staging 2a where they are recovering product from recovery point 2a.

There are currently 14 storage tanks at the main staging area. Visual observations indicate gasoline thickness on Pond 2 to be approximately 1-inch.

There are approximately 721 response worker onsite.

The CPC environmental consultant is responsible for identifying and documenting impacted wildlife. To date, four mammals including a rabbit, two raccoons, one fox, and one armadillo have been impacted; one reptile (turtle) has been impacted; and one white bird has been impacted. The bird is located in a restricted area and teams have not been able to get to it.

A Regional Response Team (RRT4) call was held today to update RRT4 members.

See <https://helena.colonialresponse.com/> for information on related to restoration of service.

### **PLANNED RESPONSE ACTIVITIES**

The EPA OSC has requested that START collect additional surface water samples with the Cahaba Riverkeeper. START will collect the samples during the next operational period. START and OSC Stilman will continue to monitor CPC's sampling and monitoring efforts. The following activities remain unchanged and continue during the response efforts:

- ☐ ☐ ☐ ☐ ☐ ☐ Continue to participate in UC
- ☐ ☐ ☐ ☐ ☐ ☐ Monitor removal activities
- ☐ ☐ ☐ ☐ ☐ ☐ Monitor safety air monitoring
- ☐ ☐ ☐ ☐ ☐ ☐ Participate in the Joint Information Center
- ☐ ☐ ☐ ☐ ☐ ☐ Prepare for and coordinate a transition to a removal phase

- Preform water sampling

**To:** Davis, Amber[Davis.Amber@epa.gov]  
**From:** Webster, James  
**Sent:** Fri 9/16/2016 11:56:44 PM  
**Subject:** Re: Waiver of Certain Reformulated Gasoline Regulations

Amber. We don't have a cause analysis yet. Will relay I do when we have something beyond speculation.

Sent from my iPhone

On Sep 16, 2016, at 7:14 PM, Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)> wrote:

Jim, just because folks keep asking me, what caused the pipeline break?

Sent from my iPhone

On Sep 16, 2016, at 7:10 PM, Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

They are excavating pipe now but gas fumes are hampering activity. We do not have a date certain. Sometime next week.

Sent from my iPhone

On Sep 16, 2016, at 4:14 PM, Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)> wrote:

Jim, can you respond to this?

**Amber Davis, Chief** | Communities Support Section | U.S. Environmental Protection Agency | Region 4 | APTMD | 61 Forsyth St. SW | Atlanta, GA 30303 | Tel 404.562.9014 | [davis.amber@epa.gov](mailto:davis.amber@epa.gov)

**From:** Thompson, Christopher  
**Sent:** Friday, September 16, 2016 4:14 PM  
**To:** Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>  
**Cc:** Le, Madison <[Le.Madison@epa.gov](mailto:Le.Madison@epa.gov)>; Herzog, Jeff <[Herzog.Jeff@epa.gov](mailto:Herzog.Jeff@epa.gov)>; Gustafson, Kurt <[Gustafson.Kurt@epa.gov](mailto:Gustafson.Kurt@epa.gov)>; Miller, Anthony <[Miller.Anthony@epa.gov](mailto:Miller.Anthony@epa.gov)>; Manners, Mary <[manners.mary@epa.gov](mailto:manners.mary@epa.gov)>  
**Subject:** Re: Waiver of Certain Reformulated Gasoline Regulations

Sorry if already asked...but do your emergency response folks have any inside information as to when colonial will be able to start to make repairs?

Sent from my iPhone

On Sep 16, 2016, at 2:14 PM, Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)> wrote:

Madison,

Thank you for taking my call! I know that you are on the phone with Colonial now. When you're available, can you clarify whether or not this issue is a Region 4 one, or if it is confined to MD, VA, and DC? Thank you so much!

Amber

**Amber Davis, Chief** | Communities Support Section | U.S. Environmental Protection Agency | Region 4 | APTMD | 61 Forsyth St. SW | Atlanta, GA 30303 | Tel 404.562.9014 | [davis.amber@epa.gov](mailto:davis.amber@epa.gov)

**From:** Le, Madison

**Sent:** Friday, September 16, 2016 2:50 PM

**To:** Herzog, Jeff <[Herzog.Jeff@epa.gov](mailto:Herzog.Jeff@epa.gov)>; Davis, Amber

<[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>; Thompson, Christopher

<[Thompson.Christopher@epa.gov](mailto:Thompson.Christopher@epa.gov)>; Gustafson, Kurt

<[Gustafson.Kurt@epa.gov](mailto:Gustafson.Kurt@epa.gov)>; Miller, Anthony <[Miller.Anthony@epa.gov](mailto:Miller.Anthony@epa.gov)>

**Cc:** Manners, Mary <[manners.mary@epa.gov](mailto:manners.mary@epa.gov)>

**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

Amber and I just talked. We are good for now while we wait to get more information from Colonial on this request.

Thanks,

Madison

Madison H. Le,

Director, Fuels Compliance Policy Center (FCPC)

Office of Transportation & Air Quality

U.S. Environmental Protection Agency

1200 Pennsylvania Ave, N.W.

Washington, D.C. 20460

Direct: 202-564-5754

Cell: 202-507-3062

Email: [le.madison@epa.gov](mailto:le.madison@epa.gov)

**From:** Herzog, Jeff

**Sent:** Friday, September 16, 2016 2:49 PM

**To:** Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>; Thompson, Christopher  
<[Thompson.Christopher@epa.gov](mailto:Thompson.Christopher@epa.gov)>; Gustafson, Kurt

<[Gustafson.Kurt@epa.gov](mailto:Gustafson.Kurt@epa.gov)>; Miller, Anthony <[Miller.Anthony@epa.gov](mailto:Miller.Anthony@epa.gov)>

**Cc:** Manners, Mary <[manners.mary@epa.gov](mailto:manners.mary@epa.gov)>; Le, Madison  
<[Le.Madison@epa.gov](mailto:Le.Madison@epa.gov)>

**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

I think Madison Le's Fuel Waiver team is on top of this

Terry Stillman and Preston Searles from Colonial Pipeline called me this afternoon.

I talked to Marry Manners who suggested that have them all Madison Le.

I called Preston back and suggested he talk to Madison

Jeff Herzog, U.S. EPA, OTAQ, ASD

(734) 214-4227

**From:** Davis, Amber

**Sent:** Friday, September 16, 2016 2:01 PM

**To:** Thompson, Christopher <[Thompson.Christopher@epa.gov](mailto:Thompson.Christopher@epa.gov)>; Gustafson, Kurt <[Gustafson.Kurt@epa.gov](mailto:Gustafson.Kurt@epa.gov)>; Herzog, Jeff <[Herzog.Jeff@epa.gov](mailto:Herzog.Jeff@epa.gov)>; Miller, Anthony <[Miller.Anthony@epa.gov](mailto:Miller.Anthony@epa.gov)>

**Subject:** FW: Waiver of Certain Reformulated Gasoline Regulations

Chris, Kurt, Jeff, Tony,

Can you respond to the request below or redirect it to the correct person?  
Please copy me so that I can keep R4 management in the loop. Thank you!

Amber

**Amber Davis, Chief** | Communities Support Section | U.S. Environmental Protection Agency | Region 4 | APTMD | 61 Forsyth St. SW | Atlanta, GA 30303 | Tel 404.562.9014 | [davis.amber@epa.gov](mailto:davis.amber@epa.gov)

**From:** Gettle, Jeaneanne

**Sent:** Friday, September 16, 2016 1:54 PM

**To:** Worley, Gregg <[Worley.Gregg@epa.gov](mailto:Worley.Gregg@epa.gov)>; Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>

**Cc:** Kemker, Carol <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)>; Fite, Mark <[Fite.Mark@epa.gov](mailto:Fite.Mark@epa.gov)>; Toney, Anthony <[Toney.Anthony@epa.gov](mailto:Toney.Anthony@epa.gov)>; Benjamin, Lynorae <[benjamin.lynorae@epa.gov](mailto:benjamin.lynorae@epa.gov)>

**Subject:** Fwd: Waiver of Certain Reformulated Gasoline Regulations

Amber

Can you pls look into this and let me know what if anything we need to do on this. Im copying Lynorae in case she can provide insight.

JMG

Sent from my iPhone

Begin forwarded message:

**From:** "Webster, James" <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>  
**Date:** September 16, 2016 at 1:39:06 PM EDT  
**To:** "Stilman, Terry" <[Stilman.Terry@epa.gov](mailto:Stilman.Terry@epa.gov)>, "Gettle, Jeaneanne" <[Gettle.Jeaneanne@epa.gov](mailto:Gettle.Jeaneanne@epa.gov)>, "Kemker, Carol" <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)>, "Hill, Franklin" <[Hill.Franklin@epa.gov](mailto:Hill.Franklin@epa.gov)>  
**Cc:** "Berry, Chuck" <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>, "Moore, Tony" <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)>  
**Subject: RE: Waiver of Certain Reformulated Gasoline Regulations**

Thanks Terry

Jeaneanne, FYI

**From:** Stilman, Terry  
**Sent:** Friday, September 16, 2016 1:31 PM  
**To:** Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>  
**Cc:** Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>; Moore, Tony <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)>  
**Subject:** FW: Waiver of Certain Reformulated Gasoline Regulations

Jim,

As we discussed.

Terry.

**From:** Coleman, Shannon P. [mailto:spcoleman@colpipe.com]  
**Sent:** Friday, September 16, 2016 1:24 PM  
**To:** Stilman, Terry <Stilman.Terry@epa.gov>  
**Cc:** Lohoff, Drew <dlohoff@colpipe.com>; Harris, Erin  
<eharris@colpipe.com>; Seagraves, Preston T  
<PSeagrav@colpipe.com>  
**Subject:** Waiver of Certain Reformulated Gasoline Regulations

Terry,

Colonial is requesting a waiver of 40 CFR § 80.78(a)(7), which will allow us to commingle RBOB and CBOB prior to the addition of ethanol. As well as a waiver pursuant to CAA § 211(c)(4)(C)(ii)(I), 42 U.S.C. § 7545(c)(4)(C)(ii)(I) to allow conventional gasoline to be sold in Designated RFG Covered Areas. This waiver would need to encompass RBOB and CBOB moved on Colonial Pipeline and Plantation Pipeline. Colonial anticipates needing this waiver for two to four weeks.

I believe my colleague in quality assurance has also reached out to a contact at EPA (Jeff Herzog), so we may be coming at this from both directions. Our apologies.

My contact information is shown below. Please feel free to call or e-mail with any additional questions or concerns.

Regards,

Shannon

Shannon P. Coleman

Colonial Pipeline Company

1185 Sanctuary Pkway, Suite 100

Alpharetta, GA 30009

Direct: 678-762-2523

Mobile:

Exemption 6 Personal Privacy



**From:** Webster, James-  
**Location:** 1-866-299-3188; 4045628758#  
**Importance:** High  
**Subject:** FW: New Time ! RRT 4 Incident Specific Activation - Pelham Pipeline Spill  
**Start Date/Time:** Fri 9/16/2016 6:00:00 PM  
**End Date/Time:** Fri 9/16/2016 7:00:00 PM

Mike

Don't know if you were copied on this, but you are certainly welcome to call in. Sorry for short notice. This is just a situational update for those interested.

Ji,m

-----Original Appointment-----

**From:** Andrew, Gary

**Sent:** Friday, September 16, 2016 9:26 AM

**To:** Andrew, Gary; forest.a.willis@uscg.mil; Webster, James; Joyce\_St Stanley@ios.doi.gov; GSpringer@adem.state.al.us; Berry, Chuck; Loughran, Lori A LCDR; Eichinger, Kevin

**Cc:** lindy\_nelson@ios.doi.gov; Gwen Keenan; Stilman, Terry; Harper, Greg; Moore, Tony; Springer, Grady; Sachtleben, Glen

**Subject:** New Time ! RRT 4 Incident Specific Activation - Pelham Pipeline Spill

**When:** Friday, September 16, 2016 2:00 PM-3:00 PM (UTC-05:00) Eastern Time (US & Canada).

**Where:**

**Importance:** High

Information Redacted pursuant to  
5 U.S.C. Section 552 (b)(5), Exemption 5,  
Privileged Inter/Intra Agency Document

Time Adjusted to Meet Field Schedule

Specific Privilege:

*Deliberative Process*

Draft Agenda:

RRT 4 Incident Specific Activation: Pelham Pipeline Spill

Roll Call: Gary Andrew

Welcome: James Webster

Site Briefing: EPA OSC Chuck Berry

Discussion: James Webster

Summary: Gary Andrew

Closing Comments: Co-Chairs, ADEM, DOI

Information Redacted pursuant to  
5 U.S.C. Section 552 (b)(5), Exemption 5,  
Privileged Inter/Intra Agency Document

Call-in #:

Specific Privilege: Deliberative Process

Conference #:

**To:** Dorsey, Claudette[Dorsey.Claudette@epa.gov]  
**From:** Webster, James  
**Sent:** Fri 9/16/2016 4:25:31 PM  
**Subject:** RE: SFD Weekly Accomplishments Report for HQ  
DRAFT - REPORT ITEM DESCRIPTION-09-15-16.docx

I highlighted the items in yellow. Also made a couple edits

jim

**From:** Dorsey, Claudette  
**Sent:** Friday, September 16, 2016 11:51 AM  
**To:** Webster, James <Webster.James@epa.gov>  
**Subject:** SFD Weekly Accomplishments Report for HQ

Jim, could you take a look at the attached list of items from SAMS that you feel are important enough to go to Headquarters for this week? Please return to me for distribution. Thanks

**Claudette Dorsey**

**Executive Staff Assistant**

**Environmental Protection Agency**

**Superfund Division**

**61 Forsyth Street**

**Atlanta, Georgia 30303**

**Office: (404) 562-8540**



**To:** Hill, Franklin[Hill.Franklin@epa.gov]  
**From:** Webster, James  
**Sent:** Fri 9/16/2016 2:04:35 AM  
**Subject:** Re: Overview Paper on Colonial Pipeline Spill and Fuel Waiver

Thanks franklin

Sent from my iPhone

On Sep 15, 2016, at 9:43 PM, Hill, Franklin <Hill.Franklin@epa.gov> wrote:

Jim this is what they forwarded this afternoon

Sent from my iPhone

Begin forwarded message:

**From:** "Davis, Amber" <Davis.Amber@epa.gov>  
**Date:** September 15, 2016 at 12:29:44 PM EDT  
**To:** "Gettle, Jeaneanne" <Gettle.Jeaneanne@epa.gov>  
**Cc:** "Webster, James" <Webster.James@epa.gov>, "Moore, Tony" <moore.tony@epa.gov>, "Worley, Gregg" <Worley.Gregg@epa.gov>, "Thompson, Christopher" <Thompson.Christopher@epa.gov>, "Gustafson, Kurt" <Gustafson.Kurt@epa.gov>, "Worley, Gregg" <Worley.Gregg@epa.gov>, "Fite, Mark" <Fite.Mark@epa.gov>, "Hill, Franklin" <Hill.Franklin@epa.gov>, "Kemker, Carol" <Kemker.Carol@epa.gov>, "Delli-Gatti, Dionne" <Delli-Gatti.Dionne@epa.gov>, "Wise, Allison" <Wise.Allison@epa.gov>, "Harper, Greg" <Harper.Greg@epa.gov>, "Benjamin, Lynorae" <benjamin.lynorae@epa.gov>  
**Subject:** Overview Paper on Colonial Pipeline Spill and Fuel Waiver

Jeaneanne,

Please see the attached overview of the Colonial Pipeline spill and subsequent fuel waiver granting process. The document has been reviewed by both Superfund and OECA. For reference, the signed waiver is also attached. Please don't hesitate to let me know if you need anything else as you prepare for the briefing with Administrator McCarthy.

Amber

P.S. A special thank you to Tony Moore and Chris Thompson for submitting their edits lickety-split!

**Amber Davis, Chief** | Communities Support Section | U.S. Environmental Protection Agency | Region 4 | APTMD | 61 Forsyth St. SW | Atlanta, GA 30303 | Tel 404.562.9014 | [davis.amber@epa.gov](mailto:davis.amber@epa.gov)

<Fuel Waiver Concerning Atlanta Georgia and Nashville Tennessee (Final Signed).pdf>

<Colonial Pipeline Spill and Fuel Waiver 2016.docx>

**To:** Gettle, Jeaneanne[Gettle.Jeaneanne@epa.gov]  
**From:** Webster, James  
**Sent:** Fri 9/16/2016 2:02:27 AM  
**Subject:** Re: EOC Spot Report: Region 4, Colonial Pipeline Spill, Pelham, AL (NRC # 1158584) – Update #5

Thanks Jeaneanne

I didn't see the final. If u could copy Tony Moore and I could appreciate it

Sent from my iPhone

On Sep 15, 2016, at 9:56 PM, Gettle, Jeaneanne <[Gettle.Jeaneanne@epa.gov](mailto:Gettle.Jeaneanne@epa.gov)> wrote:

All

I'm a little confused The briefing sheet we developed together today included both the TN and GA fuel waiver.

I copied the final version to Franklin and Randall. I will shortly forward an update I sent tonight re the broader fuel outlook.

Pls let us know if you need other info.

JMG

Sent from my iPho

On Sep 15, 2016, at 9:20 PM, Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

Thank u so much.

Sent from my iPhone

On Sep 15, 2016, at 9:19 PM, Kemker, Carol <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)> wrote:

Will do.

Sent from my iPhone

On Sep 15, 2016, at 8:59 PM, Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

It's ok tony.

Carol,

Can we loop superfund in on requests as they come in?

Sent from my iPhone

On Sep 15, 2016, at 8:51 PM, Moore, Tony <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)> wrote:

This is my first hearing of a TN waiver

Sent from my iPhone

On Sep 15, 2016, at 8:49 PM, Hill, Franklin <[Hill.Franklin@epa.gov](mailto:Hill.Franklin@epa.gov)> wrote:

Sent from my iPhone

Begin forwarded message:

**From:** "Meiburg, Stan" <[Meiburg.Stan@epa.gov](mailto:Meiburg.Stan@epa.gov)>  
**Date:** September 15, 2016 at 6:46:22 PM EDT  
**To:** "Heard, Anne" <[Heard.Anne@epa.gov](mailto:Heard.Anne@epa.gov)>, "Lapierre, Kenneth" <[Lapierre.Kenneth@epa.gov](mailto:Lapierre.Kenneth@epa.gov)>, "Hill, Franklin" <[Hill.Franklin@epa.gov](mailto:Hill.Franklin@epa.gov)>, "Kemker, Carol" <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)>, "Wilkes, Mary" <[Wilkes.Mary@epa.gov](mailto:Wilkes.Mary@epa.gov)>  
**Subject:** Fwd: EOC Spot Report: Region 4, Colonial Pipeline Spill, Pelham, AL (NRC # 1158584) – Update #5

Note: this SITREP did not include, but should have, the associated request by TN for an RVP waiver.

Stan

Sent from my iPhone

Begin forwarded message:

**From:** "Eoc, Epahq" <[Eoc.Epahq@epa.gov](mailto:Eoc.Epahq@epa.gov)>  
**Date:** September 15, 2016 at 11:59:56 AM CDT  
**To:** "Eoc, Epahq" <[Eoc.Epahq@epa.gov](mailto:Eoc.Epahq@epa.gov)>

**Subject: EOC Spot Report: Region 4, Colonial  
Pipeline Spill, Pelham, AL (NRC # 1158584) – Update  
#5**

**This report is being sent as a bcc to prevent  
accidental Reply to All messages.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

**<image001.png>**

**EOC Spot Report: Region 4, Colonial  
Pipeline Spill into Pond Near Peel  
Creek, Pelham, AL (NRC # 1158584) –  
Update #5**

**US Environmental Protection Agency**

**Report as of 1300 ET on 09/15/2016**

**Overview:** On September 9<sup>th</sup> at 1449 ET, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek, a tributary of the Cahaba River. An estimated 6,000 barrels of gasoline (253,000 gallons) have been discharged as a result of the leak. The spill location is in a remote location so no evacuations are necessary. The nearest residential neighborhood is located two miles

away.

Colonial Pipeline crews continue to prepare the affected pipeline segment for excavation and repair while cleaning up the spill. Colonial Pipeline continues to collaborate with local, state and federal agencies, including the Environmental Protection Agency, Shelby County Emergency Management Agency, Helena Fire Department, Pelham Fire Department, and others in connection with the response. As a precautionary measure, airspace above the release location has been restricted to further protect responders, personnel and the public. According to the FAA, the restriction will remain in effect until 9/18/16.

Colonial has removed approximately 178,217 gallons of liquid from Pond 2. Of that volume, 48,125 gallons of oil have been separated and 130,092 gallons of mixed oil/water remain. Colonial established a pumping area on the north end of the pond where vapor levels were lower. Vacuum trucks continue to pump from this location. Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The high level of explosive vapors is the greatest limiting factor to recovery operations. Colonial contractor CTEH is on site providing air monitoring services. All personnel entering the hot zone are required to have flame resistant clothing and an air monitoring escort. Action levels for benzene, VOCs and explosive vapors have been established.

The diversions designed for Pond 3 are in place, which

include a substantial underflow dam at the pond's outfall. No oil sheening is visible along the shoreline at Pond 3. Colonial continues to monitor the pond and will notify Unified Command if any petroleum is observed.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The Shelby County Emergency Management Association (EMA) responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State- and County-level agencies. An Incident Command post was established in Hoover, Alabama. United States Coast Guard (USCG) Gulf Strike Team (GST) members have been assisting with health and safety oversight and response operations.

**EPA Actions:** Four EPA Region 4 personnel and 4 USCG Strike Team Members are currently deployed to assist with the response and are integrated into Unified Command. EPA and USCG GST members are incorporated into air monitoring efforts. A Community Involvement Coordinator (CIC) is assisting at the Joint Information Center (JIC). The JIC set up two interviews with all members of UC. The Birmingham, AL news outlets were WBRC and [AL.com](http://al.com). At this time, a Regional Response Team 4 (RRT4) activation is not planned. A Natural Resources Trustee consultation was held with a Region 4 Department of Interior representative. Threatened and endangered species in the area of the spill have been identified but are not impacted. Due to the ongoing response efforts, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

**Media Interest: Low (local)**

[http://www.al.com/news/index.ssf/2016/09/pipeline leak spilled an estim.html](http://www.al.com/news/index.ssf/2016/09/pipeline_leak_spilled_an_estim.html)

**The HQ EOC will continue to monitor and provide updates as needed.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

Eugene Lee, Senior Watch Officer

U.S. Environmental Protection Agency

Headquarters Emergency Operations Center

1200 Pennsylvania Ave

Washington, DC 20004

202-564-3850

<mailto:coc.epahq@epa.gov>

**To:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Webster, James  
**Sent:** Thur 9/15/2016 2:53:02 PM  
**Subject:** RE: SITREP #5 - Pelham Pipeline Spill

Yes please,

My USCG co-chair pointed out to me that we did not initially contact D8 or D7 (because we had GST deployed). So the agencies (e.g., DOI, Fish and Wildlife, etc).

**From:** Harper, Greg  
**Sent:** Thursday, September 15, 2016 10:42 AM  
**To:** Webster, James <Webster.James@epa.gov>  
**Subject:** RE: SITREP #5 - Pelham Pipeline Spill

Jim,

You are asking me to include the agency names in that paragraph, correct?

Thanks,

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response Removal and Preparedness Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**From:** Webster, James  
**Sent:** Thursday, September 15, 2016 8:42 AM  
**To:** Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)>  
**Subject:** RE: SITREP #5 - Pelham Pipeline Spill

Please modify the sentence indicating that appropriate RRT members were notified to identify the actual members notified. Also, Please copy Forrest Willis (RRT4 Co-Chair) on sitreps.

**From:** Harper, Greg  
**Sent:** Wednesday, September 14, 2016 8:51 PM  
**Cc:** Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)>  
**Subject:** SITREP #5 - Pelham Pipeline Spill



## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #5**

1800 CDT, September 14, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

## **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

OSC Garrard was mobilized to the site to overlap with OSC Williamson today, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader. OSC Williamson demobilized during this operational period.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increase the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 41% range.

Colonial has managed to remove approximately 178,217 gallons of liquid from Pond 2. Of that volume 48,125 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney arrived at Incident Command Center and integrated into JIC. The JIC set up two interviews with all members of UC, including OSC Berry. The Birmingham, AL news outlets were WBRC and AL.com. Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.

The fire chief deemed the transfer of product from the pipeline to frac tanks was to high risk, therefore operations changed to direct tanker to tanker trucks. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-load.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. 9 sampling locations have been established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the other 7 were below detection limits.

### **PLANNED RESPONSE ACTIVITIES**

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

Because UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. EPA OSC has requested two START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts.

- Continue to participate in UC
- Monitor removal activities
- Monitor safety air monitoring
- Participate in the Joint Information Center
- Prepare for and coordinate a transition to a removal phase
- Perform water sampling

**To:** forest.a.willis@uscg.mil[forest.a.willis@uscg.mil]  
**From:** Webster, James  
**Sent:** Thur 9/15/2016 1:27:14 PM  
**Subject:** FW: SITREP #5 - Pelham Pipeline Spill  
[Pelham Pipeline Spill SITREP 5 09142016.pdf](#)  
[Pelham Pipeline Spill SITREP 1 final 09102016.pdf](#)  
[Pelham Pipeline Spill SITREP 2 final 09112016.pdf](#)  
[Pelham Pipeline Spill SITREP 3 09122016.pdf](#)  
[Pelham Pipeline Spill SITREP 4 09132016 \(02\).pdf](#)

**From:** Harper, Greg  
**Sent:** Thursday, September 15, 2016 8:48 AM  
**To:** william.deas@HQ.DHS.GOV; michael.k.sams@uscg.mil  
**Cc:** Webster, James <Webster.James@epa.gov>; Moore, Tony <moore.tony@epa.gov>; Andrew, Gary <Andrew.Gary@epa.gov>  
**Subject:** FW: SITREP #5 - Pelham Pipeline Spill

Mr. Deas and Mr. Sams,

It has been requested to send you all the past SITREPs for the Pelham Pipeline Spill and include you in all the future SITREPs. If you have any questions please let me know.

Thank you,

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response Removal and Preparedness Branch, 11th Floor

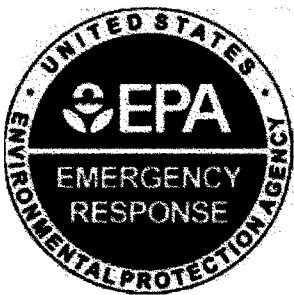
61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**From:** Harper, Greg  
**Sent:** Wednesday, September 14, 2016 8:51 PM  
**Cc:** Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)>  
**Subject:** SITREP #5 - Pelham Pipeline Spill



## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #5**

1800 CDT, September 14, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the

release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See “Current Operations” for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

## **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

OSC Garrard was mobilized to the site to overlap with OSC Williamson today, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader. OSC Williamson demobilized during this operational period.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increase the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 41% range.

Colonial has managed to remove approximately 178,217 gallons of liquid from Pond 2. Of that volume 48,125 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney arrived at Incident Command Center and integrated into JIC. The JIC set up two interviews with all members of UC, including OSC Berry. The Birmingham, AL news outlets were WBRC and AL.com. Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.

The fire chief deemed the transfer of product from the pipeline to frac tanks was to high risk, therefore operations changed to direct tanker to tanker trucks. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-load.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. 9 sampling locations have been established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the other 7 were below detection limits.

## PLANNED RESPONSE ACTIVITIES

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

Because UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. EPA OSC has requested two START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts.

- [illegible]

- Monitor safety air monitoring
- Participate in the Joint Information Center
- Prepare for and coordinate a transition to a removal phase
- Preform water sampling



**NRC 1158584, Pelham Pipeline Spill,  
Pelham, Shelby County, Alabama**  
SITUATION REPORT #1  
1800, September 10, 2016

**INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into the Peel Creek which is a tributary of the Cahaba River. The exact amount of the release was unknown; however, Colonial Pipeline initially estimated that between 1000 and 2000 gallons of gasoline entered the pond (the spill volume has been updated to 100,000 gallons in the pond – See "Current Operations" for more information). The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location.

Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post has been established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location.

At this time, site topography is preventing the gasoline from entering Peel Creek. The pond appears to be a former borrow pit, and only overflows after substantial rain. While this makes containment much easier, it also serves to concentrate the explosive and toxic vapors. Initial response efforts are focusing on responder health and safety and installing controls to prevent downstream migration if a sufficient rain event were to occur.

Colonial Pipeline has confirmed that the impacted transmission line has been shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline. There is an increased risk of rain for Sunday and Monday September 11<sup>th</sup> and 12<sup>th</sup>.

Threatened and endangered species in the area of the spill have been identified and communicated to Unified Command.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and has integrated into Unified Command. A Natural Resources Trustee consult was held with the Region 4 Department of Interior Representative. OSC Englert and OSC Williamson have been deployed to assist within Unified Command as have 4 US Coast Guard Gulf Strike Team members. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

Current number of EPA Personnel Assigned: 3

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 EDT daily.

### **CURRENT OPERATIONS**

- ☐ Site access remains the largest obstacle to remediation. Not only from the poor roads and remote location, but the inability of personnel to approach the pond due to high explosive atmosphere readings and toxic vapors. Despite the use of respiratory protection, the potential for a catastrophic fire limits response efforts.
- ☐ Initial volume estimates were not based on information from the pipeline system: the system noted no pressure loss. The last time the property owners observed the impacted pond was 2 weeks ago, which means that a slow leak may have been present for a long period of time resulting in little to no appreciable volume loss in any instantaneous measurement.
- ☐ The initial volume reported was based solely on visual estimates of first responders' impressions of the pond visually. Colonial made an estimated volume update on September 9th based on better information from the field. However, this was still unsupported by hard data. Response crews completed a complicated Level B entry first thing this morning to physically measure the thickness of the product on the pond. The total thickness on the pond is currently estimated to be 3.25 inches.
- ☐ Colonial has managed to briefly operate a pump and removed an estimated 16,000 gallons of liquid from the pond. However, if the pond is estimated to conservatively be 3 feet deep, there is over a million gallons of liquid in the pond. Colonial is currently devising plans to deal with this volume on site. Temporary storage tanks have been mobilized to the site, but their capacity is currently about 250,000 gallons. Colonial has off-site storage available also, but transportation out of the remote area will complicate and delay these efforts.
- ☐ Colonial's pumping is currently on hold as benzene levels and LEL readings have risen too high around the vacuum truck to safely operate the equipment.
- ☐ EPA/GST is currently incorporating into Operations and air monitoring. If removal operations start back up overnight, EPA will monitor the safety and air monitoring activities.

#### **PLANNED RESPONSE ACTIVITIES**

- ☐ Continue to participate in UC
- ☐ Monitor removal activities
- ☐ Monitor safety air monitoring
- ☐ Review and monitor the contingency booms and diversion activities in preparation for future rain events. It should be noted that, based on the best available information now (which is limited due to terrain, vapors, and thick forest) there is little expectation for overtopping of the pond due to the small amounts of rain expected, based on NWS predictions.





## **NRC 1158584, Pelham Pipeline Spill Pelham, Shelby County, Alabama**

1800, September 11, 2016

### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond (Pond 2 on the attached Figure) that feeds into Peel Creek which is a tributary of the Cahaba River. The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1000 and 2000 gallons of gasoline entered the pond (the spill volume has been updated to 100,000 gallons in the pond – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline. There is an increased risk of rain for Sunday and Monday September 11<sup>th</sup> and 12<sup>th</sup>.

Threatened and endangered species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and has integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Englert, OSC Williamson, and 4 US Coast Guard Gulf Strike Team members have been deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

Current number of EPA Personnel Assigned: 3

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

## **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 EDT daily.

## **CURRENT OPERATIONS**

While the pipeline pumps are shut off, the pipeline continues to drain into Pond 2. The flow rate has lessened over the last day, but visually appears to be approximately 3 gallons per minute. Colonial continues to excavate the pipe and install stopples to block the flow, but hard rock has delayed this process. Colonial currently estimates the pipe to be blocked and evacuated Tuesday. There is no update to the discharge volume.

The high level of explosive vapors is the greatest limiting factor to recovery operations. Colonial contractor CTEH is on site providing air monitoring services. They have set up an air monitoring network and are also providing roving and escort services for personnel working inside the hot zone. Lower Explosive Level (LEL) readings as high as 99% have been observed for short periods of time. Volatile Organic Compounds (VOC) levels remain high near the pond, with the highest observed level coming from a remote monitor at 2,999 parts per million (ppm). Benzene is also being monitored for, with a highest reading of 366.7 ppm. All personnel entering the hot zone are required to have flame resistant clothing and an air monitoring escort. Action levels for benzene, VOCs and explosive vapors have been set. Work is frequently stopped due to excess benzene and LEL readings, slowing recovery.

See the map below for the layout of the emergency response site

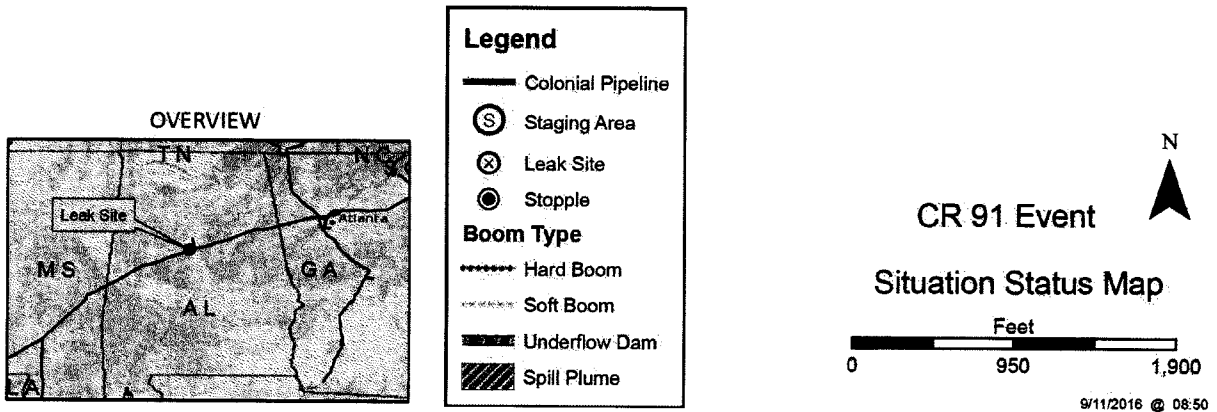
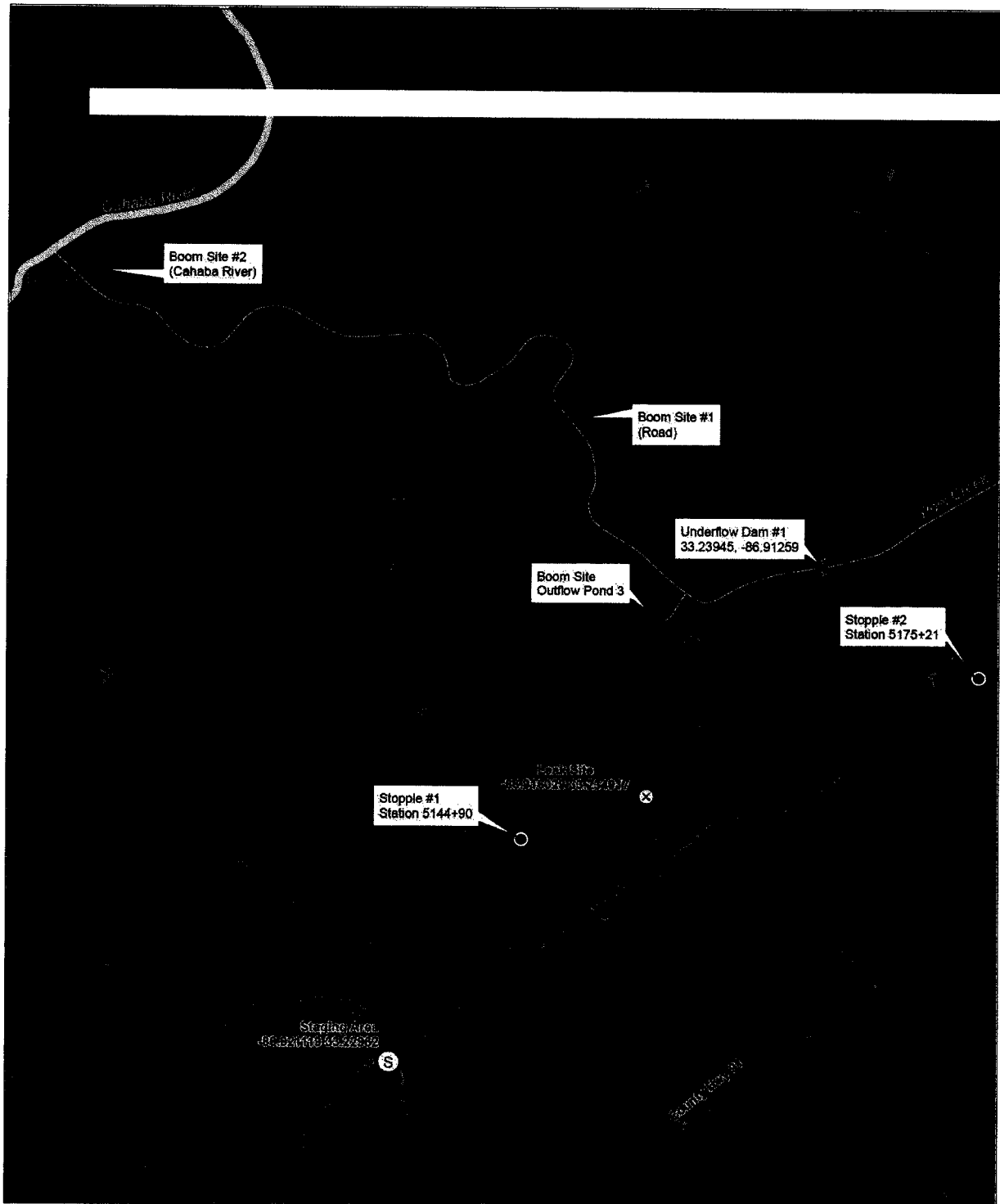
Colonial has removed 18260 gallons of liquid from Pond 2. The initial tactic of pumping directly into vacuum trucks is being transitioned to pumping into portable tanks first, with vacuum trucks hauling the material to other portable tanks at the staging area. Currently, Colonial has been unable to pump due to elevated vapor levels; no product removal has occurred for the last 30 hours. There is no exact figure for the total volume of liquid in Pond 2, but the pond is 1.2 acres in size. Conservative estimates put the total volume approximately 1,000,000 gallons of petroleum contaminated water (3 feet deep).

Sheen was reported yesterday on Pond 3. UC decided to augment the existing protection, building an underflow dam and emplacing additional boom at the outfall. Subsequent investigation of the sheen showed it was biological in nature. However, it is assumed there is some hydraulic connectivity between the two ponds. Colonial is investigating additional diversion/collection structures further along the currently-dry Peel creek bed prior to its confluence with the Cahaba.

EPA/GST is incorporated into Operations and air monitoring. OSC Williamson and 2 GST members spent today on site monitoring safety and progress. EPA/GST assisted Colonial with installation and planning of the Pond 3 augmentation and will continue to coordinate those efforts. OSC Englert is assuming Deputy Incident Commander role for EPA during the overnight shift, but will maintain a field presence. Two GST members will also assist with the overnight shift.

## **PLANNED RESPONSE ACTIVITIES**

- ☐ Continue to participate in UC
- ☐ Monitor removal activities
- ☐ Monitor safety air monitoring
- ☐ Review and monitor the contingency booms and diversion activities in preparation for future rain events. It should be noted that, based on the best available information now (which is limited due to terrain, vapors, and thick forest) there is little expectation for overtopping of the pond due to the small amounts of rain expected, based on NWS predictions.







## **NRC 1158584, Pelham Pipeline Spill Pelham, Shelby County, Alabama**

### **SITUATION REPORT #3**

1800, September 12, 2016

#### **INCIDENT DESCRIPTION**

On September 9, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond (Pond 2 on the attached Figure) that feeds into Peel Creek, a tributary of the Cahaba River. The initial report to Colonial was made by the property owner but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1000 and 2000 gallons of gasoline entered the pond (the spill volume has been updated to 100,000 gallons in the pond— See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the affected transmission line has been shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline. Weather reports indicate that there is an increased risk of rain for Sunday and Monday, September 11<sup>th</sup> and 12<sup>th</sup>.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

#### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and has integrated into Unified Command. The Unified Command structure includes the EPA, Colonial, ADEM, and Shelby County EMA. OSC Williamson, and four US Coast Guard Gulf Strike Team members have been deployed to assist with field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

Due to limited overnights operations, OSC Englert demobilized today.

Current number of EPA Personnel Assigned: 2

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 EDT daily.

### **CURRENT OPERATIONS**

Although the pipeline pumps are shut off, the pipeline continues to drain into Pond 2. The flow rate has decreased over the last day, but visually appears to be approximately three gallons per minute. Colonial has installed one of the stopples and is currently installing the second. Once the stopples are installed, the fuel will be vacuumed from the line and into trucks for shipment to the Colonial Pelham terminal. Evacuation of the pipeline will be followed by a nitrogen purge to remove all fuel from the line.

The high level of explosive vapors is the greatest limiting factor to recovery operations. Colonial contractor CTEH is on site providing air monitoring services. They have set up an Area RAE network and are providing roving and escort services for response personnel working inside the hot zone. All personnel entering the hot zone are required to have flame resistant clothing and an air monitoring escort. Action levels for benzene, VOCs and explosive vapors have been established. The work is frequently stopped due to excessive benzene and LEL readings thus slowing recovery operations. Today's highest VOC level is roughly half of yesterday's, peaking at 1,564 ppm. The highest LEL levels also dropped to 95%. Benzene levels peaked at only 8 ppm thus allowing for more recovery work today.

Colonial has managed to remove approximately 40,000 gallons of liquid from Pond 2. Of that volume 5,500 gallons of oil have been separated and 34,500 gallons of mixed oil/water remain. Colonial established a new pumping area on the north end of the pond where vapor levels were lower. Vacuum trucks continue to pump from this location. Colonial is currently planning on placing "frac" tanks in a new location to the north to cut down on transit/circuit time for those trucks needing to off-load and return.

The diversions designed for Pond 3 are in place, which include a substantial underflow dam at the ponds outfall. No oil sheening is visible along the shoreline at Pond 3. Colonial continues to monitor the pond and will notify UC if any petroleum is noted.

EPA/GST is incorporated into Operations and air monitoring. OSC Englert and two GST members observed site operations overnight. Colonial has increased its Safety Personnel and air monitoring staffing levels based on input from EPA field personnel. OSC Williamson and two GST members spent the day on site monitoring safety and response progress. EPA/GST assisted Colonial with planning and installation of the Pond 3 augmentation and will continue to coordinate those efforts. Two GST members will man the overnight shift as FOSCRs.

OSC Berry has reviewed several plans developed by the Planning Section, including an Impacted Wildlife Management and Waste Management plan. There were several revisions needed in the Waste Management Plan. Approval is expected tomorrow.

### **PLANNED RESPONSE ACTIVITIES**

- ☐ Continue to participate in UC
- ☐ Monitor removal activities
- ☐ Monitor safety air monitoring
- ☐ Prepare for and coordinate a transition to a removal phase



## **NRC 1158584, Pelham Pipeline Spill Pelham, Shelby County, Alabama SITUATION REPORT #4**

1800 CDT, September 13, 2016

### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons)—See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Williamson, and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

OSC Garrard was mobilized to the site to overlap with OSC Williamson tomorrow, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

The pipeline continues to drain into Pond 2 at a rate of approximately 3 gallons per minute. Colonial has installed both stopples, one currently set and the other is tapping through the pipeline emplacing the plug. The fuel will be vacuumed from the line and into trucks for shipment to the Colonial Pelham terminal.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 489 parts per million (ppm). The highest benzene level recorded was 4.8 ppm. LEL levels remain in the 100% range.

Colonial continues to increase its footprint at the site, building new roads to ease traffic congestion and allow for larger vehicles to access closer locations. A vapor recovery scrubber has been mobilized to the site to aid with vapor emissions. A decontamination pad for trucks has been constructed to decontaminate fuel-contaminated equipment.

Colonial has managed to remove approximately 107,304 gallons of liquid from Pond 2. Of that volume 18,928 gallons of fuel has been recovered and 88,376 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 115,700 gallons of fuel evaporated. 101,291 gallons of fuel is estimated to remain in the pond. These numbers are approximate and will likely change significantly over time.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. Significant rainfall may be received on site depending on the actions of a new tropical storm system forming in the Gulf of Mexico.

EPA/GST remains incorporated into Operations and air monitoring. OSC Williamson and two GST members continue on site safety and progress monitoring. Two GST members continue to observe night operations. OSC Williamson briefly met with the Vice President of Colonial during a VIP visit to the work site.

### **PLANNED RESPONSE ACTIVITIES**

- ☐ Continue to participate in UC
- ☐ Monitor removal activities
- ☐ Monitor safety air monitoring
- ☐ Prepare for and coordinate a transition to a removal phase.



## **NRC 1158584, Pelham Pipeline Spill Pelham, Shelby County, Alabama**

### **SITUATION REPORT #5**

1800 CDT, September 14, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

#### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command which includes EPA, Colonial, ADEM, and Shelby County OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist with field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

OSC Garrard was mobilized to the site to overlap with OSC Williamson today, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader. OSC Williamson demobilized during this operational period.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increase the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 4% range.

Colonial has managed to remove approximately 178,217 gallons of liquid from Pond 2. Of that volume 48,125 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney arrived at Incident Command Center and integrated into JIC. The JIC set up two interviews with all members of UC, including OSC Berry. The Birmingham, AL news outlets were WBRC and AL.com. Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.

The fire chief deemed the transfer of product from the pipeline to frac tanks was too high risk, therefore operations changed to direct tanker to tanker trucks. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker truck to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to offload.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. 9 sampling locations have been

established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the other 7 were below detection limits.

### **PLANNED RESPONSE ACTIVITIES**

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

Because UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. EPA OSC has requested two START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts.

- ☐ Continue to participate in UC
- ☐ Monitor removal activities
- ☐ Monitor safety air monitoring
- ☐ Participate in the Joint Information Center
- ☐ Prepare for and coordinate a transition to a removal phase
- ☐ Perform water sampling



**To:** michael.k.same@uscg.mil[michael.k.same@uscg.mil]  
**From:** Webster, James  
**Sent:** Thur 9/15/2016 12:48:31 PM  
**Subject:** FW: SITREP #5 - Pelham Pipeline Spill  
Pelham Pipeline Spill SITREP 5 09142016.pdf

Sorry Mike,

Keyed in wrong email address

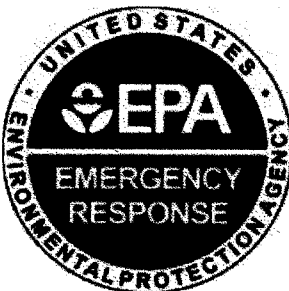
**From:** Webster, James  
**Sent:** Thursday, September 15, 2016 8:46 AM  
**To:** forest.a.willis@uscg.mil; 'michake.k.sams@uscg.mil' <michake.k.sams@uscg.mil>;  
'william.deasW@hq.dhs.gov' <william.deasW@hq.dhs.gov>  
**Subject:** FW: SITREP #5 - Pelham Pipeline Spill

Fyi

Asking them to edit the notification portion to include actual agencies notified.

jim

**From:** Harper, Greg  
**Sent:** Wednesday, September 14, 2016 8:51 PM  
**Cc:** Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** SITREP #5 - Pelham Pipeline Spill



# **NRC 1158584, Pelham Pipeline Spill**

## **Pelham, Shelby County, Alabama**

### **SITUATION REPORT #5**

1800 CDT, September 14, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members

were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

OSC Garrard was mobilized to the site to overlap with OSC Williamson today, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader. OSC Williamson demobilized during this operational period.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increase the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 41% range.

Colonial has managed to remove approximately 178,217 gallons of liquid from Pond 2. Of that volume 48,125 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney arrived at Incident Command Center and integrated into JIC. The JIC set up two interviews with all members of UC, including OSC Berry. The Birmingham, AL news outlets were WBRC and AL.com. Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.

The fire chief deemed the transfer of product from the pipeline to frac tanks was to high risk, therefore operations changed to direct tanker to tanker trucks. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-load.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. 9 sampling locations have been established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the

other 7 were below detection limits.

## PLANNED RESPONSE ACTIVITIES

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

Because UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. EPA OSC has requested two START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts.

- Continue to participate in UC
- Monitor removal activities
- Monitor safety air monitoring
- Participate in the Joint Information Center
- Prepare for and coordinate a transition to a removal phase
- Preform water sampling



**To:** forest.a.willis@uscg.mil[forest.a.willis@uscg.mil];  
michake.k.sams@uscg.mil[michake.k.sams@uscg.mil];  
william.deasW@hq.dhs.gov[william.deasW@hq.dhs.gov]  
**From:** Webster, James  
**Sent:** Thur 9/15/2016 12:46:32 PM  
**Subject:** FW: SITREP #5 - Pelham Pipeline Spill  
Pelham Pipeline Spill SITREP 5 09142016.pdf

Fyi

Asking them to edit the notification portion to include actual agencies notified.

jim

**From:** Harper, Greg  
**Sent:** Wednesday, September 14, 2016 8:51 PM  
**Cc:** Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** SITREP #5 - Pelham Pipeline Spill



## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #5**

1800 CDT, September 14, 2016

## **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

## **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

OSC Garrard was mobilized to the site to overlap with OSC Williamson today, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader. OSC Williamson demobilized during this operational period.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increase the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 41% range.

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Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney arrived at Incident Command Center and integrated into JIC. The JIC set up two interviews with all members of UC, including OSC Berry. The Birmingham, AL news outlets were WBRC and AL.com. Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.

The fire chief deemed the transfer of product from the pipeline to frac tanks was to high risk, therefore operations changed to direct tanker to tanker trucks. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-load.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. 9 sampling locations have been established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the other 7 were below detection limits.

### **PLANNED RESPONSE ACTIVITIES**

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

Because UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. EPA OSC has requested two

**START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts.**

- ☐ ☐ ☐ ☐ ☐ ☐ ☐ Continue to participate in UC
- ☐ ☐ ☐ ☐ ☐ Monitor removal activities
- ☐ ☐ ☐ ☐ ☐ Monitor safety air monitoring
- ☐ ☐ ☐ ☐ ☐ Participate in the Joint Information Center
- ☐ ☐ ☐ ☐ ☐ Prepare for and coordinate a transition to a removal phase
- ☐ ☐ ☐ ☐ ☐ Perform water sampling





## **NRC 1158584, Pelham Pipeline Spill Pelham, Shelby County, Alabama SITUATION REPORT #5**

1800 CDT, September 14, 2016

### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

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Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

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### **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increases the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

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established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the other 7 were below detection limits.

### **PLANNED RESPONSE ACTIVITIES**

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- ☐ Continue to participate in UC
- ☐ Monitor removal activities
- ☐ Monitor safety air monitoring
- ☐ Participate in the Joint Information Center
- ☐ Prepare for and coordinate a transition to a removal phase
- ☐ Perform water sampling



**To:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Webster, James  
**Sent:** Thur 9/15/2016 12:42:23 PM  
**Subject:** RE: SITREP #5 - Pelham Pipeline Spill

Please modify the sentence indicating that appropriate RRT members were notified to identify the actual members notified. Also, Please copy Forrest Willis (RRT4 Co-Chair) on sitreps.

**From:** Harper, Greg  
**Sent:** Wednesday, September 14, 2016 8:51 PM  
**Cc:** Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** SITREP #5 - Pelham Pipeline Spill



## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #5**

1800 CDT, September 14, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000

gallons – See “Current Operations” for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

OSC Garrard was mobilized to the site to overlap with OSC Williamson today, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader. OSC Williamson demobilized during this operational period.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increase the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 41% range.

Colonial has managed to remove approximately 178,217 gallons of liquid from Pond 2. Of that volume 48,125 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney arrived at Incident Command Center and integrated into JIC. The JIC set up two interviews with all members of UC, including OSC Berry. The Birmingham, AL news outlets were WBRC and AL.com. Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.

The fire chief deemed the transfer of product from the pipeline to frac tanks was to high risk, therefore operations changed to direct tanker to tanker trucks. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-load.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. 9 sampling locations have been established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the other 7 were below detection limits.

### **PLANNED RESPONSE ACTIVITIES**

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

Because UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. EPA OSC has requested two START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts.

- ☐ Continue to participate in UC
- ☐ Monitor removal activities
- ☐ Monitor safety air monitoring

- Participate in the Joint Information Center
- Prepare for and coordinate a transition to a removal phase
- Preform water sampling



✓  
**To:** Webster, James[Webster.James@epa.gov]  
**From:** Joyce Stanley  
**Sent:** Sat 9/17/2016 7:12:48 PM  
**Subject:** Re: Colonial Pipeline Spill

Yep, PRFA 101

Sent from my iPhone

On Sep 17, 2016, at 2:59 PM, Webster, James <Webster.James@epa.gov> wrote:

Hey Joyce

In follow up with Miguel. Looks like the proposed work will have to go under a NRDA after all. He should be reaching out to u. I am fairly certain that if F&W/DOI teach out yo NRDA folks at NPFC we can get the funding mechanism strIght

Another reason to put thus on the next RRT agenda.

Sent from my iPhone

On Sep 17, 2016, at 1:27 PM, Stanley, Joyce <joyce\_stanley@ios.doi.gov> wrote:

Okay

*Joyce A. Stanley, MPA  
Regional Environmental Protection Specialist  
US Department of the Interior  
Office of Environmental Policy and Compliance  
(404) 331-4524 - Office  
(404) 331-1736 - Fax  
- Mobile*

**joyce\_stanley@ios.doi.gov**  
**http://www.doi.gov/oepc/atlanta.html**

On Sat, Sep 17, 2016 at 1:25 PM, Webster, James <Webster.James@epa.gov> wrote:

If they need any help with NPFC, ease let us know.

Sent from my iPhone

On Sep 17, 2016, at 1:13 PM, Stanley, Joyce <joyce\_stanley@ios.doi.gov> wrote:

Thanks James for this explanation. It really clears up things.

**Joyce A. Stanley, MPA**  
**Regional Environmental Protection Specialist**  
**US Department of the Interior**  
**Office of Environmental Policy and Compliance**  
**(404) 331-4524 - Office**  
**(404) 331-1736 - Fax**  
**- Mobile**

**[joyce\\_stanley@ios.doi.gov](mailto:joyce_stanley@ios.doi.gov)**

**<http://www.doi.gov/oepc/atlanta.html>**

On Sat, Sep 17, 2016 at 1:11 PM, Webster, James  
<[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

Joyce

The Statement of work that F&W proposed was for resource assessment work

If fish and wildlife want to do assessments they will need to secure NRDA funding directly from NPFC as PRFAs cannot be used to fund resource natural resource impacts. An IAG is fairly simple to establish with the NPFC NRDA Division.

If there is something operation that they can provide, they can discuss with the incident Commander.

Thanks  
Jim

Sent from my iPhone

On Sep 17, 2016, at 1:03 PM, Stanley, Joyce  
<[joyce\\_stanley@ios.doi.gov](mailto:joyce_stanley@ios.doi.gov)> wrote:

Hello James,

There are T & E species onsite and we want FWS to assist in the response. What is the status of the PRFA request?

Thanks for your help on this.

**Joyce A. Stanley, MPA**  
**Regional Environmental Protection Specialist**

**To:** Webster, James[Webster.James@epa.gov]  
**From:** Stanley, Joyce  
**Sent:** Sat 9/17/2016 5:03:21 PM  
**Subject:** Colonial Pipeline Spill

Hello James,

There are T & E species onsite and we want FWS to assist in the response. What is the status of the PRFA request?

Thanks for your help on this.

*Joyce A. Stanley, MPA  
Regional Environmental Protection Specialist  
US Department of the Interior  
Office of Environmental Policy and Compliance  
(404) 331-4524 - Office  
(404) 331-1736 - Fax  
! - Mobile*

Exemption 6 Personal Privacy

*[joyce\\_stanley@ios.doi.gov](mailto:joyce_stanley@ios.doi.gov)*

*<http://www.doi.gov/oepc/atlanta.html>*



**To:** Webster, James[Webster.James@epa.gov]  
**From:** Davis, Amber  
**Sent:** Sat 9/17/2016 12:03:09 AM  
**Subject:** Re: Waiver of Certain Reformulated Gasoline Regulations

Thank you, Jim!

Sent from my iPhone

On Sep 16, 2016, at 7:56 PM, Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

Amber. We don't have a cause analysis yet. Will relay I do when we have something beyond speculation.

Sent from my iPhone

On Sep 16, 2016, at 7:14 PM, Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)> wrote:

Jim, just because folks keep asking me, what caused the pipeline break?

Sent from my iPhone

On Sep 16, 2016, at 7:10 PM, Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

They are excavating pipe now but gas fumes are hampering activity. We do not have a date certain. Sometime next week.

Sent from my iPhone

On Sep 16, 2016, at 4:14 PM, Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)> wrote:

Jim, can you respond to this?

**Amber Davis, Chief** | Communities Support Section | U.S. Environmental Protection Agency | Region 4 | APTMD | 61 Forsyth St. SW | Atlanta, GA 30303 | Tel 404.562.9014 | [davis.amber@epa.gov](mailto:davis.amber@epa.gov)

**From:** Thompson, Christopher  
**Sent:** Friday, September 16, 2016 4:14 PM

**To:** Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>  
**Cc:** Le, Madison <[Le.Madison@epa.gov](mailto:Le.Madison@epa.gov)>; Herzog, Jeff  
<[Herzog.Jeff@epa.gov](mailto:Herzog.Jeff@epa.gov)>; Gustafson, Kurt <[Gustafson.Kurt@epa.gov](mailto:Gustafson.Kurt@epa.gov)>;  
Miller, Anthony <[Miller.Anthony@epa.gov](mailto:Miller.Anthony@epa.gov)>; Manners, Mary  
<[manners.mary@epa.gov](mailto:manners.mary@epa.gov)>  
**Subject:** Re: Waiver of Certain Reformulated Gasoline Regulations

Sorry if already asked...but do your emergency response folks have any  
inside information as to when colonial will be able to start to make repairs?

Sent from my iPhone

On Sep 16, 2016, at 2:14 PM, Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>  
wrote:

Madison,

Thank you for taking my call! I know that you are on the phone with  
Colonial now. When you're available, can you clarify whether or not  
this issue is a Region 4 one, or if it is confined to MD, VA, and DC?  
Thank you so much!

Amber

**Amber Davis, Chief** | Communities Support Section | U.S. Environmental  
Protection Agency | Region 4 | APTMD | 61 Forsyth St. SW | Atlanta, GA  
30303 | Tel 404.562.9014 | [davis.amber@epa.gov](mailto:davis.amber@epa.gov)

**From:** Le, Madison  
**Sent:** Friday, September 16, 2016 2:50 PM  
**To:** Herzog, Jeff <[Herzog.Jeff@epa.gov](mailto:Herzog.Jeff@epa.gov)>; Davis, Amber  
<[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>; Thompson, Christopher  
<[Thompson.Christopher@epa.gov](mailto:Thompson.Christopher@epa.gov)>; Gustafson, Kurt  
<[Gustafson.Kurt@epa.gov](mailto:Gustafson.Kurt@epa.gov)>; Miller, Anthony  
<[Miller.Anthony@epa.gov](mailto:Miller.Anthony@epa.gov)>  
**Cc:** Manners, Mary <[manners.mary@epa.gov](mailto:manners.mary@epa.gov)>  
**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

Amber and I just talked. We are good for now while we wait to get more information from Colonial on this request.

Thanks,

Madison

Madison H. Le,

Director, Fuels Compliance Policy Center (FCPC)

Office of Transportation & Air Quality

U.S. Environmental Protection Agency

1200 Pennsylvania Ave, N.W.

Washington, D.C. 20460

Direct: 202-564-5754

Cell: 202-507-3062

Email: [le.madison@epa.gov](mailto:le.madison@epa.gov)

**From:** Herzog, Jeff

**Sent:** Friday, September 16, 2016 2:49 PM

**To:** Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>; Thompson, Christopher <[Thompson.Christopher@epa.gov](mailto:Thompson.Christopher@epa.gov)>; Gustafson, Kurt <[Gustafson.Kurt@epa.gov](mailto:Gustafson.Kurt@epa.gov)>; Miller, Anthony <[Miller.Anthony@epa.gov](mailto:Miller.Anthony@epa.gov)>

**Cc:** Manners, Mary <[manners.mary@epa.gov](mailto:manners.mary@epa.gov)>; Le, Madison <[Le.Madison@epa.gov](mailto:Le.Madison@epa.gov)>

**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

I think Madison Le's Fuel Waiver team is on top of this

Terry Stillman and Preston Searles from Colonial Pipeline called me this afternoon.

I talked to Marry Manners who suggested that have them all Madison Le.

I called Preston back and suggested he talk to Madison

Jeff Herzog, U.S. EPA, OTAQ, ASD

(734) 214-4227

**From:** Davis, Amber

**Sent:** Friday, September 16, 2016 2:01 PM

**To:** Thompson, Christopher <[Thompson.Christopher@epa.gov](mailto:Thompson.Christopher@epa.gov)>; Gustafson, Kurt <[Gustafson.Kurt@epa.gov](mailto:Gustafson.Kurt@epa.gov)>; Herzog, Jeff <[Herzog.Jeff@epa.gov](mailto:Herzog.Jeff@epa.gov)>; Miller, Anthony <[Miller.Anthony@epa.gov](mailto:Miller.Anthony@epa.gov)>

**Subject:** FW: Waiver of Certain Reformulated Gasoline Regulations

Chris, Kurt, Jeff, Tony,

Can you respond to the request below or redirect it to the correct person? Please copy me so that I can keep R4 management in the loop. Thank you!

Amber

**Amber Davis, Chief** | Communities Support Section | U.S. Environmental Protection Agency | Region 4 | APTMD | 61 Forsyth St. SW | Atlanta, GA 30303 | Tel 404.562.9014 | [davis.amber@epa.gov](mailto:davis.amber@epa.gov)

**From:** Gettle, Jeanneanne  
**Sent:** Friday, September 16, 2016 1:54 PM  
**To:** Worley, Gregg <[Worley.Gregg@epa.gov](mailto:Worley.Gregg@epa.gov)>; Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>  
**Cc:** Kemker, Carol <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)>; Fite, Mark <[Fite.Mark@epa.gov](mailto:Fite.Mark@epa.gov)>; Toney, Anthony <[Toney.Anthony@epa.gov](mailto:Toney.Anthony@epa.gov)>; Benjamin, Lynorae <[benjamin.lynorae@epa.gov](mailto:benjamin.lynorae@epa.gov)>  
**Subject:** Fwd: Waiver of Certain Reformulated Gasoline Regulations

Amber

Can you pls look into this and let me know what if anything we need to do on this. Im copying Lynorae in case she can provide insight.

JMG

Sent from my iPhone

Begin forwarded message:

**From:** "Webster, James" <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>  
**Date:** September 16, 2016 at 1:39:06 PM EDT  
**To:** "Stilman, Terry" <[Stilman.Terry@epa.gov](mailto:Stilman.Terry@epa.gov)>, "Gettle, Jeanneanne" <[Gettle.Jeanneanne@epa.gov](mailto:Gettle.Jeanneanne@epa.gov)>, "Kemker, Carol" <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)>, "Hill, Franklin" <[Hill.Franklin@epa.gov](mailto:Hill.Franklin@epa.gov)>  
**Cc:** "Berry, Chuck" <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>, "Moore, Tony" <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)>  
**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

Thanks Terry

Jeanneanne, FYI

**From:** Stilman, Terry

**Sent:** Friday, September 16, 2016 1:31 PM  
**To:** Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>  
**Cc:** Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>; Moore, Tony <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)>  
**Subject:** FW: Waiver of Certain Reformulated Gasoline Regulations

Jim,

As we discussed.

Terry.

**From:** Coleman, Shannon P. [<mailto:spcoleman@colpipe.com>]  
**Sent:** Friday, September 16, 2016 1:24 PM  
**To:** Stilman, Terry <[Stilman.Terry@epa.gov](mailto:Stilman.Terry@epa.gov)>  
**Cc:** Lohoff, Drew <[dlohoff@colpipe.com](mailto:dlohoff@colpipe.com)>; Harris, Erin <[eharris@colpipe.com](mailto:eharris@colpipe.com)>; Seagraves, Preston T <[PSeagrav@colpipe.com](mailto:PSeagrav@colpipe.com)>  
**Subject:** Waiver of Certain Reformulated Gasoline Regulations

Terry,

Colonial is requesting a waiver of 40 CFR § 80.78(a)(7), which will allow us to commingle RBOB and CBOB prior to the addition of ethanol. As well as a waiver pursuant to CAA § 211(c)(4)(C)(ii)(I), 42 U.S.C. § 7545(c)(4)(C)(ii)(I) to allow conventional gasoline to be sold in Designated RFG Covered Areas. This waiver would need to encompass RBOB and CBOB moved on Colonial Pipeline and Plantation Pipeline. Colonial anticipates needing this waiver for two to four weeks.

I believe my colleague in quality assurance has also reached out to a contact at EPA (Jeff Herzog), so we may be coming at this from both directions. Our apologies.

My contact information is shown below. Please feel free to call or e-mail with any additional questions or concerns.

Regards,

Shannon

Shannon P. Coleman

Colonial Pipeline Company

1185 Sanctuary Pkway, Suite 100

Alpharetta, GA 30009

Direct: 678-762-2523

Mobile:

**Exemption 6 Personal Privacy**



**To:** Le, Madison[Le.Madison@epa.gov]  
**Cc:** Benjamin, Lynorae[benjamin.lynorae@epa.gov]; Manners, Mary[manners.mary@epa.gov]; Thompson, Christopher[Thompson.Christopher@epa.gov]; Herzog, Jeff[Herzog.Jeff@epa.gov]; Gustafson, Kurt[Gustafson.Kurt@epa.gov]; Miller, Anthony[Miller.Anthony@epa.gov]; McKenna, Chris[McKenna.Chris@epa.gov]; Webster, James[Webster.James@epa.gov]; Heard, Anne[Heard.Anne@epa.gov]; Hicks, Javoyne[Hicks.Javoyne@epa.gov]; Jones-Johnson, Shea[Jones-Johnson.Shea@epa.gov]; Jenkins, Brandi[Jenkins.Brandi@epa.gov]; Lincoln, Larry[Lincoln.Larry@epa.gov]; Hill, Franklin[Hill.Franklin@epa.gov]; Worley, Gregg[Worley.Gregg@epa.gov]; Gettle, Jeaneanne[Gettle.Jeaneanne@epa.gov]; Kemker, Carol[Kemker.Carol@epa.gov]; Fite, Mark[Fite.Mark@epa.gov]; Lapierre, Kenneth[Lapierre.Kenneth@epa.gov]; Mitchell, Ken[Mitchell.Ken@epa.gov]; Wise, Allison[Wise.Allison@epa.gov]; Delli-Gatti, Dionne[Delli-Gatti.Dionne@epa.gov]; Myers, Bryan[Myers.Bryan@epa.gov]; Benjamin@usepa.onmicrosoft.com[Benjamin@usepa.onmicrosoft.com]  
**From:** Davis, Amber  
**Sent:** Fri 9/16/2016 10:53:27 PM  
**Subject:** Re: Waiver of Certain Reformulated Gasoline Regulations

Thank you, Madison! This is great news. And I appreciate you keeping everyone informed!

Amber

Sent from my iPhone

On Sep 16, 2016, at 6:40 PM, Le, Madison <Le.Madison@epa.gov> wrote:

Amber,

Thanks. We were able add KY at the last minute.

Madison H. Le,

Director, Fuels Compliance Policy Center (FCPC)

Office of Transportation & Air Quality

U.S. Environmental Protection Agency

1200 Pennsylvania Ave, N.W.

Washington, D.C. 20460

Direct: 202-564-5754

Cell: 202-507-3062

Email: [le.madison@epa.gov](mailto:le.madison@epa.gov)

**From:** Davis, Amber

**Sent:** Friday, September 16, 2016 6:16 PM

**To:** Le, Madison <[Le.Madison@epa.gov](mailto:Le.Madison@epa.gov)>

**Cc:** Benjamin, Lynorae <[benjamin.lynorae@epa.gov](mailto:benjamin.lynorae@epa.gov)>; Manners, Mary <[manners.mary@epa.gov](mailto:manners.mary@epa.gov)>; Thompson, Christopher <[Thompson.Christopher@epa.gov](mailto:Thompson.Christopher@epa.gov)>; Herzog, Jeff <[Herzog.Jeff@epa.gov](mailto:Herzog.Jeff@epa.gov)>; Thompson, Christopher <[Thompson.Christopher@epa.gov](mailto:Thompson.Christopher@epa.gov)>; Gustafson, Kurt <[Gustafson.Kurt@epa.gov](mailto:Gustafson.Kurt@epa.gov)>; Miller, Anthony <[Miller.Anthony@epa.gov](mailto:Miller.Anthony@epa.gov)>; Manners, Mary <[manners.mary@epa.gov](mailto:manners.mary@epa.gov)>; McKenna, Chris <[McKenna.Chris@epa.gov](mailto:McKenna.Chris@epa.gov)>; Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>; Heard, Anne <[Heard.Anne@epa.gov](mailto:Heard.Anne@epa.gov)>; Hicks, Javoyne <[Hicks.Javoyne@epa.gov](mailto:Hicks.Javoyne@epa.gov)>; Jones-Johnson, Shea <[Jones-Johnson.Shea@epa.gov](mailto:Jones-Johnson.Shea@epa.gov)>; Jenkins, Brandi <[Jenkins.Brandi@epa.gov](mailto:Jenkins.Brandi@epa.gov)>; Lincoln, Larry <[Lincoln.Larry@epa.gov](mailto:Lincoln.Larry@epa.gov)>; Hill, Franklin <[Hill.Franklin@epa.gov](mailto:Hill.Franklin@epa.gov)>; Worley, Gregg <[Worley.Gregg@epa.gov](mailto:Worley.Gregg@epa.gov)>; Gettle, Jeaneanne <[Gettle.Jeaneanne@epa.gov](mailto:Gettle.Jeaneanne@epa.gov)>; Kemker, Carol <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)>; Fite, Mark <[Fite.Mark@epa.gov](mailto:Fite.Mark@epa.gov)>; Lapierre, Kenneth <[Lapierre.Kenneth@epa.gov](mailto:Lapierre.Kenneth@epa.gov)>; Mitchell, Ken <[Mitchell.Ken@epa.gov](mailto:Mitchell.Ken@epa.gov)>; Wise, Allison <[Wise.Allison@epa.gov](mailto:Wise.Allison@epa.gov)>; Delli-Gatti, Dionne <[Delli-Gatti.Dionne@epa.gov](mailto:Delli-Gatti.Dionne@epa.gov)>; Myers, Bryan <[Myers.Bryan@epa.gov](mailto:Myers.Bryan@epa.gov)>

**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

Madison,

I just got a verbal concurrence on the comingling waiver request from Aaron Keatley in KY. Please do not hesitate to let me know if you need anything else.

Amber

**Amber Davis, Chief** | Communities Support Section | U.S. Environmental Protection Agency | Region 4 | APTMD | 61 Forsyth St. SW | Atlanta, GA 30303 | Tel 404.562.9014 | [davis.amber@epa.gov](mailto:davis.amber@epa.gov)

**From:** Davis, Amber

**Sent:** Friday, September 16, 2016 5:47 PM

**To:** Le, Madison <[Le.Madison@epa.gov](mailto:Le.Madison@epa.gov)>

**Cc:** Benjamin, Lynorae <[benjamin.lynorae@epa.gov](mailto:benjamin.lynorae@epa.gov)>; Manners, Mary <[manners.mary@epa.gov](mailto:manners.mary@epa.gov)>; Thompson, Christopher <[Thompson.Christopher@epa.gov](mailto:Thompson.Christopher@epa.gov)>; Herzog, Jeff <[Herzog.Jeff@epa.gov](mailto:Herzog.Jeff@epa.gov)>; Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>; Thompson, Christopher <[Thompson.Christopher@epa.gov](mailto:Thompson.Christopher@epa.gov)>; Gustafson, Kurt <[Gustafson.Kurt@epa.gov](mailto:Gustafson.Kurt@epa.gov)>; Miller, Anthony <[Miller.Anthony@epa.gov](mailto:Miller.Anthony@epa.gov)>; Manners, Mary <[manners.mary@epa.gov](mailto:manners.mary@epa.gov)>; McKenna, Chris <[McKenna.Chris@epa.gov](mailto:McKenna.Chris@epa.gov)>; Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>; Heard, Anne <[Heard.Anne@epa.gov](mailto:Heard.Anne@epa.gov)>; Hicks, Javoyne <[Hicks.Javoyne@epa.gov](mailto:Hicks.Javoyne@epa.gov)>; Jones-Johnson, Shea <[Jones-Johnson.Shea@epa.gov](mailto:Jones-Johnson.Shea@epa.gov)>; Jenkins, Brandi <[Jenkins.Brandi@epa.gov](mailto:Jenkins.Brandi@epa.gov)>; Lincoln, Larry <[Lincoln.Larry@epa.gov](mailto:Lincoln.Larry@epa.gov)>; Hill, Franklin <[Hill.Franklin@epa.gov](mailto:Hill.Franklin@epa.gov)>; Worley, Gregg <[Worley.Gregg@epa.gov](mailto:Worley.Gregg@epa.gov)>; Gettle, Jeaneanne <[Gettle.Jeaneanne@epa.gov](mailto:Gettle.Jeaneanne@epa.gov)>; Kemker, Carol <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)>; Fite, Mark <[Fite.Mark@epa.gov](mailto:Fite.Mark@epa.gov)>; Lapierre, Kenneth <[Lapierre.Kenneth@epa.gov](mailto:Lapierre.Kenneth@epa.gov)>

**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

The following R4 states have given verbal concurrence. This is the list of who Lynorae Benjamin and I spoke with:

- MS—Dallas Baker
- AL—Ron Gore
- TN—Lucian Geise, Ben Bolton, Quincy Styke III, and Jason Carney
- GA—Karen Hays
- SC—Rhonda Thompson (She would like a copy of the waiver when it is ready. [thompsrb@dhec.sc.gov](mailto:thompsrb@dhec.sc.gov).)
- NC—Steve Benjamin (He would like a copy of the waiver when it is ready. [steve.benjamin@ncagr.gov](mailto:steve.benjamin@ncagr.gov).)

**Amber Davis, Chief** | Communities Support Section | U.S. Environmental Protection Agency |  
Region 4 | APTMD | 61 Forsyth St. SW | Atlanta, GA 30303 | Tel 404.562.9014 |  
[davis.amber@epa.gov](mailto:davis.amber@epa.gov)

**From:** Le, Madison  
**Sent:** Friday, September 16, 2016 4:18 PM  
**To:** Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>  
**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

Amber,

As discussed, below are the R4 states that would be included in a comingling waiver. If you can reach out to these states and provide us with their “verbal” concurrence that would help us tremendously. Also, I’ve provided you some background on what this means to help you brief up.

- Mississippi MS
- Alabama AL
- Tennessee TN
- Kentucky KY
- Georgia GA
- South Carolina SC
- North Carolina NC

Commingling Provision:

This waiver request originates with Colonial pipeline for a waiver of the prohibition for comingling RFG and CG along the entire system. Colonial is pushing CG over to Plantation for distribution, but is constrained by Plantation not having RFG markets and the RBOB in the system. Waiving prohibition would allow them to lift more in the area of origin and move fuel to Plantation. The comingling provisions are at 40 C.F.R. § 80.78(a)(7) that prohibit any person from combining any reformulated gasoline blendstock for oxygenate blending with any other gasoline, blendstock, or oxygenate, unless certain conditions are met.

Madison H. Le,

Director, Fuels Compliance Policy Center (FCPC)

Office of Transportation & Air Quality

U.S. Environmental Protection Agency

1200 Pennsylvania Ave, N.W.

Washington, D.C. 20460

Direct: 202-564-5754

Cell: 202-507-3062

Email: [le.madison@epa.gov](mailto:le.madison@epa.gov)

**From:** Davis, Amber

**Sent:** Friday, September 16, 2016 3:15 PM

**To:** Le, Madison <[Le.Madison@epa.gov](mailto:Le.Madison@epa.gov)>; Herzog, Jeff <[Herzog.Jeff@epa.gov](mailto:Herzog.Jeff@epa.gov)>;  
Thompson, Christopher <[Thompson.Christopher@epa.gov](mailto:Thompson.Christopher@epa.gov)>; Gustafson, Kurt  
<[Gustafson.Kurt@epa.gov](mailto:Gustafson.Kurt@epa.gov)>; Miller, Anthony <[Miller.Anthony@epa.gov](mailto:Miller.Anthony@epa.gov)>

**Cc:** Manners, Mary <[manners.mary@epa.gov](mailto:manners.mary@epa.gov)>

**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

Madison,

Thank you for taking my call! I know that you are on the phone with Colonial now. When you're available, can you clarify whether or not this issue is a Region 4 one, or if it is confined to MD, VA, and DC? Thank you so much!

Amber

**Amber Davis, Chief** | Communities Support Section | U.S. Environmental Protection Agency |  
Region 4 | APTMD | 61 Forsyth St. SW | Atlanta, GA 30303 | Tel 404.562.9014 |  
[davis.amber@epa.gov](mailto:davis.amber@epa.gov)

**From:** Le, Madison  
**Sent:** Friday, September 16, 2016 2:50 PM  
**To:** Herzog, Jeff <[Herzog.Jeff@epa.gov](mailto:Herzog.Jeff@epa.gov)>; Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>; Thompson, Christopher <[Thompson.Christopher@epa.gov](mailto:Thompson.Christopher@epa.gov)>; Gustafson, Kurt <[Gustafson.Kurt@epa.gov](mailto:Gustafson.Kurt@epa.gov)>; Miller, Anthony <[Miller.Anthony@epa.gov](mailto:Miller.Anthony@epa.gov)>  
**Cc:** Manners, Mary <[manners.mary@epa.gov](mailto:manners.mary@epa.gov)>  
**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

Amber and I just talked. We are good for now while we wait to get more information from Colonial on this request.

Thanks,

Madison

Madison H. Le,  
Director, Fuels Compliance Policy Center (FCPC)  
Office of Transportation & Air Quality  
U.S. Environmental Protection Agency  
1200 Pennsylvania Ave, N.W.  
Washington, D.C. 20460  
Direct: 202-564-5754  
Cell: 202-507-3062  
Email: [le.madison@epa.gov](mailto:le.madison@epa.gov)

**From:** Herzog, Jeff  
**Sent:** Friday, September 16, 2016 2:49 PM  
**To:** Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>; Thompson, Christopher

<[Thompson.Christopher@epa.gov](mailto:Thompson.Christopher@epa.gov)>; Gustafson, Kurt <[Gustafson.Kurt@epa.gov](mailto:Gustafson.Kurt@epa.gov)>; Miller, Anthony <[Miller.Anthony@epa.gov](mailto:Miller.Anthony@epa.gov)>

**Cc:** Manners, Mary <[manners.mary@epa.gov](mailto:manners.mary@epa.gov)>; Le, Madison <[Le.Madison@epa.gov](mailto:Le.Madison@epa.gov)>

**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

I think Madison Le's Fuel Waiver team is on top of this

Terry Stillman and Preston Searles from Colonial Pipeline called me this afternoon.

I talked to Marry Manners who suggested that have them all Madison Le.

I called Preston back and suggested he talk to Madison

Jeff Herzog, U.S. EPA, OTAQ, ASD

(734) 214-4227

**From:** Davis, Amber

**Sent:** Friday, September 16, 2016 2:01 PM

**To:** Thompson, Christopher <[Thompson.Christopher@epa.gov](mailto:Thompson.Christopher@epa.gov)>; Gustafson, Kurt <[Gustafson.Kurt@epa.gov](mailto:Gustafson.Kurt@epa.gov)>; Herzog, Jeff <[Herzog.Jeff@epa.gov](mailto:Herzog.Jeff@epa.gov)>; Miller, Anthony <[Miller.Anthony@epa.gov](mailto:Miller.Anthony@epa.gov)>

**Subject:** FW: Waiver of Certain Reformulated Gasoline Regulations

Chris, Kurt, Jeff, Tony,

Can you respond to the request below or redirect it to the correct person? Please copy me so that I can keep R4 management in the loop. Thank you!

Amber

**Amber Davis, Chief** | Communities Support Section | U.S. Environmental Protection Agency |  
Region 4 | APTMD | 61 Forsyth St. SW | Atlanta, GA 30303 | Tel 404.562.9014 |  
[davis.amber@epa.gov](mailto:davis.amber@epa.gov)

**From:** Gettle, Jeaneanne  
**Sent:** Friday, September 16, 2016 1:54 PM  
**To:** Worley, Gregg <[Worley.Gregg@epa.gov](mailto:Worley.Gregg@epa.gov)>; Davis, Amber <[Davis.Amber@epa.gov](mailto:Davis.Amber@epa.gov)>  
**Cc:** Kemker, Carol <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)>; Fite, Mark <[Fite.Mark@epa.gov](mailto:Fite.Mark@epa.gov)>; Toney, Anthony <[Toney.Anthony@epa.gov](mailto:Toney.Anthony@epa.gov)>; Benjamin, Lynorae <[benjamin.lynorae@epa.gov](mailto:benjamin.lynorae@epa.gov)>  
**Subject:** Fwd: Waiver of Certain Reformulated Gasoline Regulations

Amber

Can you pls look into this and let me know what if anything we need to do on this. Im copying Lynorae in case she can provide insight.

JMG

Sent from my iPhone

Begin forwarded message:

**From:** "Webster, James" <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>  
**Date:** September 16, 2016 at 1:39:06 PM EDT  
**To:** "Stilman, Terry" <[Stilman.Terry@epa.gov](mailto:Stilman.Terry@epa.gov)>, "Gettle, Jeaneanne" <[Gettle.Jeaneanne@epa.gov](mailto:Gettle.Jeaneanne@epa.gov)>, "Kemker, Carol" <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)>, "Hill, Franklin" <[Hill.Franklin@epa.gov](mailto:Hill.Franklin@epa.gov)>  
**Cc:** "Berry, Chuck" <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>, "Moore, Tony" <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)>  
**Subject:** RE: Waiver of Certain Reformulated Gasoline Regulations

Thanks Terry

Jeaneanne, FYI

**From:** Stilman, Terry

**Sent:** Friday, September 16, 2016 1:31 PM  
**To:** Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>  
**Cc:** Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>; Moore, Tony <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)>  
**Subject:** FW: Waiver of Certain Reformulated Gasoline Regulations

Jim,

As we discussed.

Terry.

**From:** Coleman, Shannon P. [<mailto:spcoleman@colpipe.com>]  
**Sent:** Friday, September 16, 2016 1:24 PM  
**To:** Stilman, Terry <[Stilman.Terry@epa.gov](mailto:Stilman.Terry@epa.gov)>  
**Cc:** Lohoff, Drew <[dlohoff@colpipe.com](mailto:dlohoff@colpipe.com)>; Harris, Erin <[eharris@colpipe.com](mailto:eharris@colpipe.com)>;  
Seagraves, Preston T <[PSeagrav@colpipe.com](mailto:PSeagrav@colpipe.com)>  
**Subject:** Waiver of Certain Reformulated Gasoline Regulations

Terry,

Colonial is requesting a waiver of 40 CFR § 80.78(a)(7), which will allow us to comingle RBOB and CBOB prior to the addition of ethanol. As well as a waiver pursuant to CAA § 211(c)(4)(C)(ii)(I), 42 U.S.C. § 7545(c)(4)(C)(ii)(I) to allow conventional gasoline to be sold in Designated RFG Covered Areas. This waiver would need to encompass RBOB and CBOB moved on Colonial Pipeline and Plantation Pipeline. Colonial anticipates needing this waiver for two to four weeks.

I believe my colleague in quality assurance has also reached out to a contact at EPA (Jeff Herzog), so we may be coming at this from both directions. Our apologies.

My contact information is shown below. Please feel free to call or e-mail with any additional questions or concerns.

Regards,

Shannon

Shannon P. Coleman

Colonial Pipeline Company

1185 Sanctuary Pkway, Suite 100

Alpharetta, GA 30009

Direct: 678-762-2523

Mobile:

**Exemption 6 Personal Privacy**

**To:** Webster, James[Webster.James@epa.gov]  
**Cc:** Andrew, Gary[Andrew.Gary@epa.gov]; forest.a.willis@uscg.mil[forest.a.willis@uscg.mil]  
**From:** Sams, Michael K CIV  
**Sent:** Fri 9/16/2016 9:30:35 PM  
**Subject:** RE: New Time ! RRT 4 Incident Specific Activation - Pelham Pipeline Spill

Hi Jim,

Thank you for the invite to listen-in. I would've called-in but I was in flight returning from RRT-7 mtg. Pls let me know if you want/need anything from me. I'll gladly receive any incident updates that are developed; greatly facilitates with situational awareness on these "large volume" discharges.

Thanks again for being a great neighbor; greatly appreciated!

V/r,

Mike Sams  
504-671-2234 (o)  
)  
Michael.K.Sams@uscg.mil

-----Original Appointment-----

**From:** Webster.James@epa.gov [mailto:Webster.James@epa.gov] **On Behalf Of** Andrew, Gary  
**Sent:** Friday, September 16, 2016 12:42 PM  
**To:** Sams, Michael K CIV  
**Subject:** [Non-DoD Source] FW: New Time ! RRT 4 Incident Specific Activation - Pelham Pipeline Spill  
**When:** Friday, September 16, 2016 1:00 PM-2:00 PM (UTC-06:00) Central Time (US & Canada).  
**Where:** 1-866-299-3188; 4045628758#  
**Importance:** High

Mike

Don't know if you were copied on this, but you are certainly welcome to call in. Sorry for short notice. This is just a situational update for those interested.

Ji,m

-----Original Appointment-----

**From:** Andrew, Gary  
**Sent:** Friday, September 16, 2016 9:26 AM  
**To:** Andrew, Gary; forest.a.willis@uscg.mil; Webster, James; Joyce\_St Stanley@ios.doi.gov; GSpringer@adem.state.al.us; Berry, Chuck; Loughran, Lori A LCDR; Eichinger, Kevin  
**Cc:** lindy\_nelson@ios.doi.gov; Gwen Keenan; Stilman, Terry; Harper, Greg; Moore, Tony; Springer, Grady; Sachtleben, Glen  
**Subject:** New Time ! RRT 4 Incident Specific Activation - Pelham Pipeline Spill  
**When:** Friday, September 16, 2016 2:00 PM-3:00 PM (UTC-05:00) Eastern Time (US & Canada).  
**Where:** 1-866-299-3188; 4045628758#  
**Importance:** High

Time Adjusted to Meet Field Schedule

Draft Agenda:

RRT 4 Incident Specific Activation: Pelham Pipeline Spill

Roll Call: Gary Andrew

Welcome: James Webster

Site Briefing: EPA OSC Chuck Berry

Discussion: James Webster

Summary: Gary Andrew

Closing Comments: Co-Chairs, ADEM, DOI

Call-in #: :

Conference #:

(b) (6)



**Cc:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**From:** Eichinger, Kevin  
**Sent:** Mon 9/12/2016 12:11:11 PM  
**Subject:** ERNS REPORT FOR 0800 09/09/2016 TO 0800 09/12/2016

**ERNS REPORT FOR 0800 09/07/2016 TO 0800 09/08/2016**

**NRC 1158584, Pelham Pipeline Spill, Pelham, Shelby County, Alabama**

Situation Reports (SITREPS) #1 and #2 were previously delivered to the ERNS mailing list. SITREPS will continue to be delivered to the ERNS mailing list by 1800 EDT daily. See <https://www.epaosc.org/pelhamgasolinespill> for the current SITREPS and for additional information.

**NRC#1158670, Holladay Diesel Spill, Holladay, Benton County, Tennessee**

On September 10, 2016 at 2056, hours, Tennessee Department of Environmental Control (TDEC) requested EPA assistance with an over the road truck accident on Interstate 40 at Exit 133 in Holladay, Tennessee. 280 gallons of diesel fuel was spilled as a result of the accident. The Potentially Responsible Party (PRP) did not have the resources to conduct the cleanup and was unable to contact their insurance. TDEC requested EPA to respond and to conduct the cleanup so the roadway could be reopened. OSC Spurlin and Emergency and Rapid Removal Services (ERRS) contractors were deployed. The oil was removed from the road surface and contaminated soil was excavated. **Contact OSC Steve Spurlin or see <https://www.epaosc.org/holladaydieselspill> for more information.**

**NRC 1158308, Finley Blvd Mystery Oil Spill, Birmingham, Clay County, Alabama**

On September 6, 2016, at approximately 1709 hours, Alabama Department of Environmental Management (ADEM) requested EPA assistance with an unknown mystery diesel oil spill in Birmingham, Alabama. The spill was contained but threatens Village Creek (a tributary of Bay View Lake and Black Warrior River). An unknown amount of diesel has spilled at this time; however, initial estimates are at least 1000 gallons spilled. On-Scene Coordinator (OSC) Englert, OSC Jardine and Superfund Technical Assessment Response Team Contractors were deployed. **Update** A pressure test confirmed a fuel line connected to a 12,000 gallon AST is leaking. Contractors working for the Potential Responsible Party (PRP) prepared an Operations and Maintenance (O&M) plan for EPA and ADEM review. Residual diesel was observed downstream of the trucking company so nearby storm drains were flushed. A storm drain immediately south of the PRP's facility is being used as a collection point. OSC Englert demobilized Friday evening. **Contact OSC Brian Englert or see <https://www.epaosc.org/finleyblvdmysteryspill> for additional information.**

**State Oil HazRadOther**

AL	4	1	0	0
FL	9	2	0	2
GA	2	1	0	0
KY	2	0	0	0
MS	0	0	0	0
NC	2	0	0	2
SC	1	0	0	0
TN	2	0	0	0
Total	22	4	0	4 = 30

-

**Response Personnel Status**

Duty Officer:	OSC Kevin Eichinger	-
R1:	OSC Brian Englert	Out
R2:	OSC Charles Berry	Out
Jackson, TN:	OSC Steve Spurlin	Responding
Louisville, KY:	OSC Art Smith	Available
Mobile, AL:	OSC Leo Francendese	Unavailable
Raleigh, NC:	OSC Ken Rhame	Unavailable
Tallahassee, FL:	OSC Chris Russell	Available

**National Response Center: 1-800-424-8802**  
**Phone Duty E-Mail: R4DUTYOSC@EPA.GOV**  
**Phone Duty MOBILE #: 404-242-3393**

Sent from my iPhone

On Sep 11, 2016, at 4:35 PM, Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

Thanks Kevin  
Franklin/Don/Randall  
Do you have what u need for not I g staff?

Sent from my iPhone

On Sep 11, 2016, at 4:14 PM, Eichinger, Kevin  
<[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

✓ **NRC 1158584, Pelham Pipeline Spill, Pelham, Shelby County, Alabama**

SITREP #2 will be sent out at 1800 hours this evening.

**NRC#1158670, Holladay Diesel Spill, Holladay, Benton County, Tennessee**

On September 10, 2016 at 2056, hours, Tennessee Department of Environmental Control (TDEC) requested EPA assistance with an over the road truck accident on Interstate 40 at Exit 133 in Benton, Tennessee. 280 gallons of diesel fuel was spilled as a result of the accident. The Responsible Party (RP) did not have the resources to conduct the cleanup and was unable to contact their insurance. TDEC requested EPA to respond and to conduct the cleanup so the roadway can be reopened. OSC Spurlin and Emergency and Rapid Removal Services (ERRS) contractors were deployed. **Contact OSC Steve Spurlin or see <https://www.epaosc.org/holladaydieselspill> for more information.**

**NRC 1158308, Finley Blvd Mystery Oil Spill, Birmingham, Clay County, Alabama**

On September 6, 2016, at approximately 1709 hours, Alabama Department of Environmental Management (ADEM) requested EPA

**To:** Rigger, Don[Rigger.Don@epa.gov]  
**Cc:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]; Berry, Chuck[Berry.Chuck@epa.gov]; Webster, James[Webster.James@epa.gov]; Hill, Franklin[Hill.Franklin@epa.gov]; Chaffins, Randall[Chaffins.Randall@epa.gov]; McGuire, Jim[McGuire.Jim@epa.gov]; Taylor, Matt[Taylor.Matt@epa.gov]; R4 Duty OSC Rotation[R4\_Duty\_OSC\_Rotation@epa.gov]  
**From:** Moore, Tony  
**Sent:** Mon 9/12/2016 1:28:09 AM  
**Subject:** Re: Sunday ERNS Report

Don, I just forwarded to you. You may have also gotten it from Kevin. Check your clutter.

Sent from my iPhone

On Sep 11, 2016, at 9:23 PM, Rigger, Don <Rigger.Don@epa.gov> wrote:

Jim - that next Sit Rep will be what I need for staff meeting. Thx

Sent from my iPhone

On Sep 11, 2016, at 4:58 PM, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

10-4

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**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | epaosc.org

On Sep 11, 2016, at 16:57, Berry, Chuck <Berry.Chuck@epa.gov> wrote:

There's a UC meeting in 2 minutes. I'll finish sit rep right after.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 11, 2016, at 15:36, Webster, James <Webster.James@epa.gov> wrote:

For morning staff that is. Auto correct is a killer

assistance with an unknown mystery diesel oil spill in Birmingham, Alabama. The spill was contained but threatens Village Creek (a tributary of Bay View Lake and Black Warrior River). An unknown amount of diesel has spilled at this time; however, initial estimates are at least 1000 gallons spilled. On-Scene Coordinator (OSC) Englert, OSC Jardine and Superfund Technical Assessment Response Team Contractors were deployed. **Update:** OSC Englert demobilized on September 9, 2016 but will follow up on the progress of the spill cleanup when he is released from the Pelham Pipeline Spill Response. **Contact OSC Brian Englert or see <https://www.epaosc.org/finleyblvdmysteryspill> for additional information.**

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

U.S. Environmental Protection Agency, Region 4 | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | [epaosc.org](https://www.epaosc.org)



**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**Cc:** Hill, Franklin[Hill.Franklin@epa.gov]; Chaffins, Randall[Chaffins.Randall@epa.gov]; Rigger, Don[Rigger.Don@epa.gov]; Moore, Tony[moore.tony@epa.gov]; McGuire, Jim[McGuire.Jim@epa.gov]; Taylor, Matt[Taylor.Matt@epa.gov]; R4 Duty OSC Rotation[R4\_Duty\_OSC\_Rotation@epa.gov]; Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Webster, James  
**Sent:** Sun 9/11/2016 10:05:30 PM  
**Subject:** Re: Sunday ERNS Report

That's ok.

Sent from my iPhone

On Sep 11, 2016, at 6:04 PM, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

The UC meeting is running late. The SITREP will be delayed by 30 minutes.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

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Franklin/Don/Randall

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Sent from my iPhone

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**NRC 1158584, Pelham Pipeline Spill, Pelham, Shelby County, Alabama**

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**<https://www.epaosc.org/finleyblvdmysteryspill> for additional information.**

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4 | 61 Forsyth St SW | Atlanta, Georgia | 30303**

**Emergency Response, Removal and Prevention Branch (ERRB)**

**office: 404-562-8268 | cell: 678-897-3759 | [epaosc.org](https://www.epaosc.org)**



**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**Cc:** Webster, James[Webster.James@epa.gov]; Hill, Franklin[Hill.Franklin@epa.gov]; Chaffins, Randall[Chaffins.Randall@epa.gov]; Rigger, Don[Rigger.Don@epa.gov]; Moore, Tony[moore.tony@epa.gov]; McGuire, Jim[McGuire.Jim@epa.gov]; Taylor, Matt[Taylor.Matt@epa.gov]; R4 Duty OSC Rotation[R4\_Duty\_OSC\_Rotation@epa.gov]  
**From:** Eichinger, Kevin  
**Sent:** Sun 9/11/2016 8:57:59 PM  
**Subject:** Re: Sunday ERNS Report

10-4

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**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

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On September 10, 2016 at 2056, hours, Tennessee Department of Environmental Control (TDEC) requested EPA assistance with an over the road truck accident on Interstate 40 at Exit 133 in Benton, Tennessee. 280 gallons of diesel fuel was spilled as a result of the accident. The Responsible Party (RP) did not have the resources to conduct the cleanup and was unable to contact their insurance. TDEC requested EPA to respond and to conduct the cleanup so the roadway can be reopened. OSC Spurlin and Emergency and Rapid Removal Services (ERRS) contractors were deployed. **Contact OSC Steve Spurlin or see <https://www.epaosc.org/holladaydieselspill> for more information.**

**NRC 1158308, Finley Blvd Mystery Oil Spill, Birmingham, Clay County, Alabama**

On September 6, 2016, at approximately 1709 hours, Alabama Department of Environmental Management (ADEM) requested EPA assistance with an unknown mystery diesel oil spill in Birmingham, Alabama. The spill was contained but threatens Village Creek (a tributary of Bay View Lake and Black Warrior River). An unknown amount of diesel has spilled at this time; however, initial estimates are at least 1000 gallons spilled. On-Scene Coordinator (OSC) Englert, OSC Jardine and Superfund Technical Assessment Response Team Contractors were deployed. **Update:** OSC Englert demobilized on September 9, 2016 but will follow up on the progress of the spill cleanup when he is released from the Pelham Pipeline Spill Response. **Contact OSC Brian Englert or see <https://www.epaosc.org/finleyblvdmysteryspill> for additional information.**

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4 | 61 Forsyth St SW | Atlanta, Georgia | 30303**

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | [epaosc.org](http://epaossc.org)



**To:** Pinkney, James[Pinkney.James@epa.gov]  
**Cc:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** York, David W.  
**Sent:** Sun 9/11/2016 5:10:48 PM  
**Subject:** RE: Colonial Spill Update #3

I'm sorry. I will resend.

David York  
Senior Project Manager, PMP  
Colonial Pipeline Company  
Office: 678-762-2568

~~Cell: 7~~  
dyork@colpipe.com

ACT

Exemption 6 Personal Privacy

-----Original Message-----

From: Pinkney, James [mailto:Pinkney.James@epa.gov]  
Sent: Sunday, September 11, 2016 1:08 PM  
To: York, David W.  
Cc: Berry, Chuck  
Subject: Re: Colonial Spill Update #3

David,

I haven't received the latest update for review.

James

Sent from my iPhone

> On Sep 10, 2016, at 6:35 PM, York, David W. <DYork@colpipe.com> wrote:

>

> Thank you for the review. We will issue another update tomorrow morning. I will send to you for review.

>

> David York

> Senior Project Manager, PMP

> Colonial Pipeline Company

> Office: 678-762-2568

> Cell: .

> dyork@colpipe.com

>

> -----Original Message-----

> From: Pinkney, James [mailto:Pinkney.James@epa.gov]

> Sent: Saturday, September 10, 2016 7:34 PM

> To: York, David W.

> Cc: Berry, Chuck

> Subject: Re: Colonial Spill Update #3

>

> David,

>

> Looks good.

>

> James

>

> Sent from my iPhone

>

>> On Sep 10, 2016, at 6:07 PM, York, David W. <DYork@colpipe.com> wrote:

>>

>> James; attached is the update we are proposing to post within the next hour. Please review and let me know if you have any concerns.

>>

>> David York

>> Senior Project Manager, PMP

>> Colonial Pipeline Company

>> Office: 678-762-2568

R >> ~~Cell:~~

>> dyork@colpipe.com

>> <CR91 Event - Update #3.docx>

>

Exemption to Personal Privacy

**To:** York, David W.[DYork@colpipe.com]  
**Cc:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Pinkney, James  
**Sent:** Sun 9/11/2016 5:08:27 PM  
**Subject:** Re: Colonial Spill Update #3

David,

I haven't received the latest update for review.

James

Sent from my iPhone

> On Sep 10, 2016, at 6:35 PM, York, David W. <DYork@colpipe.com> wrote:

>

> Thank you for the review. We will issue another update tomorrow morning. I will send to you for review.

>

> David York

> Senior Project Manager, PMP

> Colonial Pipeline Company

> Office: 678-762-2568

> Cell:

> dyork@colpipe.com

>

> -----Original Message-----

> From: Pinkney, James [mailto:Pinkney.James@epa.gov]

> Sent: Saturday, September 10, 2016 7:34 PM

> To: York, David W.

> Cc: Berry, Chuck

> Subject: Re: Colonial Spill Update #3

>

> David,

>

> Looks good.

>

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>

> Sent from my iPhone

>

>> On Sep 10, 2016, at 6:07 PM, York, David W. <DYork@colpipe.com> wrote:

>>

>> James; attached is the update we are proposing to post within the next hour. Please review and let me know if you have any concerns.

>>

>> David York

>> Senior Project Manager, PMP

>> Colonial Pipeline Company

>> Office: 678-762-2568

>> Cell:

>> dyork@colpipe.com

>> <CR91 Event - Update #3.docx>

>

Exemption 6 Personal Privacy



**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Springer, Grady  
**Sent:** Sun 9/11/2016 12:49:38 AM  
**Subject:** Re: SITREP #1 - Pelham Pipeline Release

Well Chuck, when I talked to you last Saturday, I missed it by a week.

Sent from my iPhone

On Sep 10, 2016, at 7:33 PM, Rogers, Paul <PR1@adem.alabama.gov> wrote:

Sent from my Verizon, Samsung Galaxy smartphone

----- Original message -----

**From:** "Eichinger, Kevin" <Eichinger.Kevin@epa.gov>  
**Date:** 9/10/16 5:47 PM (GMT-06:00)  
**To:**  
**Cc:** "Eichinger, Kevin" <Eichinger.Kevin@epa.gov>  
**Subject:** SITREP #1 - Pelham Pipeline Release

<image002.jpg>

## **NRC 1158584, Pelham Pipeline Spill, Pelham, Shelby County, Alabama**

### **SITUATION REPORT #1**

1800, September 10, 2016

-

-

### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into the Peel Creek which is a tributary of the Cahaba River. The exact amount of the release was unknown; however, Colonial Pipeline initially estimated that between 1000 and 2000 gallons of gasoline entered the pond (the spill volume has been updated to 100,000 gallons in the pond – See "Current Operations" for more information). The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location.

Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post has been established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location.

At this time, site topography is preventing the gasoline from entering Peel Creek. The pond appears to be a former borrow pit, and only overflows after substantial rain. While this makes containment much easier, it also serves to concentrate the explosive and toxic vapors. Initial response efforts are focusing on responder health and safety and installing controls to prevent downstream migration if a sufficient rain event were to occur.

Colonial Pipeline has confirmed that the impacted transmission line has been shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted from the large areas of pooled gasoline. There is an increased risk of rain for Sunday and Monday September 11<sup>th</sup> and 12<sup>th</sup>.

Threatened and endangered species in the area of the spill have been identified and communicated to Unified Command.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The

appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and has integrated into Unified Command. A Natural Resources Trustee consult was held with the Region 4 Department of Interior Representative. OSC Englert and OSC Williamson have been deployed to assist within Unified Command as have 4 US Coast Guard Gulf Strike Team members. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

Current number of EPA Personnel Assigned: 3

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members:  
4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 EDT daily.

### **CURRENT OPERATIONS**

- Site access remains the largest obstacle to remediation. Not only from the poor roads and remote location, but the inability of personnel to approach the pond due to high explosive atmosphere readings and toxic vapors. Despite the use of respiratory protection, the potential for a catastrophic fire limits response efforts.
- Initial volume estimates were not based on information from the pipeline system: the system noted no pressure loss. The last time the property owners observed the impacted pond was 2 weeks ago, which means that a slow leak may have been present for a long period of time resulting in little to no appreciable volume loss in any instantaneous measurement.
- The initial volume reported was based solely on visual estimates of first responders'

impressions of the pond visually. Colonial made an estimated volume update on September 9th based on better information from the field. However, this was still unsupported by hard data. Response crews completed a complicated Level B entry first thing this morning to physically measure the thickness of the product on the pond. The total thickness on the pond is currently estimated to be 3.25 inches.

- Colonial has managed to briefly operate a pump and removed an estimated 16,000 gallons of liquid from the pond. However, if the pond is estimated to conservatively be 3 feet deep, there is over a million gallons of liquid in the pond. Colonial is currently devising plans to deal with this volume on site. Temporary storage tanks have been mobilized to the site, but their capacity is currently about 250,000 gallons. Colonial has off-site storage available also, but transportation out of the remote area will complicate and delay these efforts.

- Colonial's pumping is currently on hold as benzene levels and LEL readings have risen too high around the vacuum truck to safely operate the equipment.

- EPA/GST is currently incorporating into Operations and air monitoring. If removal operations start back up overnight, EPA will monitor the safety and air monitoring activities.

-

#### **PLANNED RESPONSE ACTIVITIES**

- Continue to participate in UC

- Monitor removal activities

- Monitor safety air monitoring

- Review and monitor the contingency booms and diversion activities in preparation for future rain events. It should be noted that, based on the best available information now (which is limited due to terrain, vapors, and thick forest) there is little expectation for overtopping of the pond due to the small amounts of rain expected, based on NWS predictions.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

U.S. Environmental Protection Agency, Region 4 | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | [epaosc.org](http://epaosc.org)

<image001.gif>



**To:** Moore, Tony[moore.tony@epa.gov]  
**Cc:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]; Berry, Chuck[Berry.Chuck@epa.gov]; Andrew, Gary[Andrew.Gary@epa.gov]; Harris-Young, Dawn[Harris-Young.Dawn@epa.gov]; Pinkney, James[Pinkney.James@epa.gov]; Webster, James[Webster.James@epa.gov]  
**From:** Lincoln, Larry  
**Sent:** Sat 9/10/2016 4:34:01 PM  
**Subject:** Re: NRC#1158628

I'm looped in with Chuck and will provide support as needed.

Sent from my iPhone

On Sep 10, 2016, at 11:59 AM, Moore, Tony <moore.tony@epa.gov> wrote:

I spoke with Anita, she will have a CIC contact you directly.

Sent from my iPhone

On Sep 10, 2016, at 12:35 AM, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

Updated NRC report for the Pelham Pipeline Spill. The NRC called me and asked if we were classifying this as an incident of national significance that requires NRT activation. I said no, not at this time.

Chuck and Gary, I'll leave it up to you if you want to do an RRT call. I have already reached out to DOI. GST is responding to assist.

Kevin.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: **404-562-8268** | cell: **678-897-3759** | **epaosc.org**

Begin forwarded message:

**Resent-From:** <R4DutyOSC@epa.gov>

**From:** "HQS-PF-flidr-NRC@uscg.mil" <HQS-PF-flidr-NRC@uscg.mil>

**Date:** September 10, 2016 at 00:27:09 EDT  
**To:** R4DutyOSC <[R4DutyOSC@epa.gov](mailto:R4DutyOSC@epa.gov)>  
**Subject:** NRC#1158628

NATIONAL RESPONSE CENTER 1-800-424-8802

\*\*\*GOVERNMENT USE ONLY\*\*\*GOVERNMENT USE ONLY\*\*\*

Information released to a third party shall comply with any  
applicable federal and/or state Freedom of Information and Privacy Laws

Incident Report # 1158628

#### INCIDENT DESCRIPTION

\*Report taken by: CIV ANTONAY GREER at 00:13 on 10-SEP-16  
Incident Type: PIPELINE  
Incident Cause: UNKNOWN  
Affected Area: POND  
Incident was discovered on 09-SEP-16 at 11:31 local incident time.  
Affected Medium: WATER / POND

---

#### REPORTING PARTY

Name: CONRAD SANDERS  
Organization: COLONIAL PIPELINE COMPANY  
Address: 1185 SANCTUARY PARKWAY  
ALPHARETTA, GA 30004  
Email Address: [csanders@colpipe.com](mailto:csanders@colpipe.com)

PRIMARY Phone: (678)7622263  
Type of Organization: PRIVATE ENTERPRISE

---

#### SUSPECTED RESPONSIBLE PARTY

Name: N/A  
Organization: COLONIAL PIPELINE COMPANY  
Address: 1185 SANCTUARY PARKWAY  
ALPHARETTA, GA 30004  
PRIMARY Phone: (678)7622263

---

#### INCIDENT LOCATION

County: SHELBY  
City: PELHAM State: AL  
Latitude: 33° 14' 32" N  
Longitude: 086° 55' 06" W  
COUNTY ROAD 91 (SEE POSITION)

---

RELEASED MATERIAL(S)

CHRIS Code: GAS Official Material Name: GASOLINE: AUTOMOTIVE  
(UNLEADED)

Also Known As:

Qty Released: 1000 BARREL(S) Qty in Water: 1000 BARREL(S)

---

DESCRIPTION OF INCIDENT

\*\*\* THIS IS AN UPDATED REPORT, REFERENCE NRC REPORT #  
1158584 \*\*\*

\* AMOUNT OF GASOLINE RELEASED HAS INCREASED FROM 0  
(UNKNOWN AMOUNT)

TO 1,000 BARRELS.

\* SUSPECTED SOURCE IS AN UNDERGROUND 36" TRANSMISSION  
PIPELINE.

\* REMEDIATION UNDERWAY.

INITIAL REPORT:

CALLER IS REPORTING THAT GASOLINE FROM AN UNKNOWN  
SOURCE WAS FOUND

AT A LOCATION NEAR WELL SITES. THE GASOLINE CREATED A  
SHEEN ON A

POND IN THAT AREA. THE INCIDENT IS BEING INVESTIGATED.

---

SENSITIVE INFORMATION

---

INCIDENT DETAILS

Pipeline Type: TRANSMISSION

DOT Regulated: YES

Pipeline Above/Below Ground: BELOW

Exposed or Under Water: NO

Pipeline Covered: UNKNOWN

---SHEEN INFORMATION---

Sheen Color: UNKNOWN

Sheen Odor Description:

Sheen Travel Direction:

Sheen Size Length:

Sheen Size Width:

---WATER INFORMATION---

Body of Water: POND

Tributary of:

Nearest River Mile Marker:

Water Supply Contaminated: UNKNOWN

---

#### IMPACT

Fire Involved: NO Fire Extinguished: UNKNOWN

INJURIES: NO Hospitalized: Empl/Crew: Passenger:  
FATALITIES: NO Empl/Crew: Passenger: Occupant:  
EVACUATIONS: NO Who Evacuated: Radius/Area:

Damages: NO

	Hours	Direction of
Closure Type Description of Closure	Closed	Closure
N		
Air:		
N		Major
Road:		Artery: N
N		
Waterway:		
N		
Track:		

Environmental Impact: UNKNOWN

Media Interest: UNKNOWN Community Impact due to Material:

---

#### REMEDIAL ACTIONS

\* LINE HAS BEEN SHUT-DOWN.

\* PRODUCT HAS BEEN CONTAINED AND CLEAN-UP IS UNDERWAY.

Release Secured: YES

Release Rate:

Estimated Release Duration:

---

#### WEATHER

---

#### ADDITIONAL AGENCIES NOTIFIED

Federal:

State/Local:

State/Local On Scene: EPA

State Agency Number:

---

#### NOTIFICATIONS BY NRC

ALABAMA DEPT OF ENV MGMT (MAIN OFFICE)

10-SEP-16 00:26 (334)3944382

ALABAMA DEPT OF ENV MGMT (BIRMINGHAM FIELD OFFICE)

10-SEP-16 00:26 (334)3944382

AL U.S. ATTORNEY'S OFFICE (COMMAND CENTER)  
10-SEP-16 00:26 (205)2442188  
CENTERS FOR DISEASE CONTROL (GRASP)  
10-SEP-16 00:26 (770)4887100  
DHS NOC (NOC)  
10-SEP-16 00:26 (202)2828114  
DHS PROTECTIVE SECURITY ADVISOR (PSA DESK)  
10-SEP-16 00:26 (703)2355724  
DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE)  
10-SEP-16 00:26 (202)3661863  
U.S. EPA IV (MAIN OFFICE)  
(404)6504955  
U.S. EPA IV (DUTY OSC)  
10-SEP-16 00:26 (404)6504955  
GULF STRIKE TEAM (MAIN OFFICE)  
10-SEP-16 00:26 (251)4416601  
JFO-LA (COMMAND CENTER)  
10-SEP-16 00:26 (225)3366513  
NATIONAL INFRASTRUCTURE COORD CTR (MAIN OFFICE)  
10-SEP-16 00:26 (202)2829201  
NOAA RPTS FOR AL (MAIN OFFICE)  
10-SEP-16 00:26 (206)5264911  
NATIONAL RESPONSE CENTER HQ (AUTOMATIC REPORTS)  
10-SEP-16 00:26 (202)2671136  
NRC COMMAND DUTY OFFICER (MAIN OFFICE)  
(202)2672100  
NTSB PIPELINE (MAIN OFFICE)  
10-SEP-16 00:26 (202)3146293  
PIPELINE & HAZMAT SAFETY ADMIN (OFFICE OF PIPELINE SAFETY  
(AUTO))  
10-SEP-16 00:26 (202)3660568  
DOI FOR REGION 4 (MAIN OFFICE)  
10-SEP-16 00:26 (404)3314524  
REPORTING PARTY (RP SUBMITTER)  
10-SEP-16 00:26  
ALABAMA EMA (MAIN OFFICE)  
10-SEP-16 00:26 (205)2802312  
TSA OFFICE OF SECURITY OPERATIONS (SURFACE COMPLIANCE  
BRANCH SE REGION)  
10-SEP-16 00:26 (904)9804075  
USCG DISTRICT 8 (MAIN OFFICE)  
10-SEP-16 00:26 (504)5896225  
USCG DISTRICT 8 (PLANNING)  
10-SEP-16 00:26 (504)6712080

---

ADDITIONAL INFORMATION

---

\*\*\* END INCIDENT REPORT #1158628 \*\*\*

Report any problems by calling 1-800-424-8802

PLEASE VISIT OUR WEB SITE AT <http://www.nrc.uscg.mil>

**Cc:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**From:** Eichinger, Kevin  
**Sent:** Sat 9/10/2016 4:30:41 PM  
**Subject:** UPDATE - Special ERNS Report, Pelham Pipeline Spill

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

## **Special ERNS Report #2: Region 4, NRC 1158584, Pelham Pipeline Spill, Pelham, Shelby County, Alabama**

**US Environmental Protection Agency**

**Report as of September 10, 2016 1230 EDT**

**Overview:** On September 9, 2016, at 1449 hours, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into the Peel Creek which is a tributary of the Cahaba River. The exact amount of the release is unknown; however, Colonial Pipeline initially estimated that between 1000 and 2000 gallons of gasoline has entered the pond. The spill volume has been updated from the original estimate. Unified Command now reports that at least 100,000 gallons of gasoline has been released.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The local fire department used firefighting foam to suppress the explosive vapors. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post has been established in Hoover, Alabama. Colonial Pipeline has confirmed that the impacted transmission line has been shut down. Environmental contractors for Colonial Pipeline are responding to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of

pooled gasoline. Rain is forecasted for Sunday and Monday September 11<sup>th</sup> and 12<sup>th</sup>.

**EPA Actions:** On-Scene Coordinator (OSC) Chuck Berry was deploy to the Incident Command Post and he integrated into Unified Command. A Natural Resources Trustee consult was held with the Region 4 Department of Interior Representative. Threatened and endangered species in the area of the spill have been identified and communicated to the OSC. The spill location is in a very remote area and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location. At this time, site topography is preventing the gasoline from entering Peel Creek. Initial response efforts are focusing on responder health and safety and installing controls to prevent the spill from entering Peel Creek. OSC Englert and OSC Williamson have been deployed to assist within Unified Command. A Community Involvement Coordinator (CIC) was requested and will assist in the Joint Information Center. Four United States Coast Guard (USCG) Gulf Strike Team (GST) Members were requested and will assist with health and safety oversight.

**Media Interest:** Local only at this time .

**National Response Center: 1-800-424-8802**  
**Phone Duty E-Mail: R4DUTYOSC@EPA.GOV**  
**Phone Duty MOBILE #: 404-242-3393**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

**To:** Moore, Tony[moore.tony@epa.gov]  
**Cc:** Eoc, Epahq[Eoc.Epahq@epa.gov]; Berry, Chuck[Berry.Chuck@epa.gov]; Webster, James[Webster.James@epa.gov]; Andrew, Gary[Andrew.Gary@epa.gov]  
**From:** Eichinger, Kevin  
**Sent:** Sat 9/10/2016 3:35:57 PM  
**Subject:** Re: EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584)

More Intel came in. It is roughly 100K released. I will put out an updated special erns shortly.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | epaosc.org

On Sep 10, 2016, at 11:34, Moore, Tony <moore.tony@epa.gov> wrote:

Thanks Kevin, still working the CIC

Sent from my iPhone

On Sep 10, 2016, at 12:43 AM, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

Colonial just updated the volumes spilled (see NRC 1158584). The new volume spilled in 42000 gallons. I have mobilized, at the OSCs request, the Gulf Strike Team to assist. We will meet/talk in the morning to discuss the need/plans for an RRT call.

Kevin

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | epaosc.org

On Sep 9, 2016, at 19:38, Eoc, Epahq <[Eoc.Epahq@epa.gov](mailto:Eoc.Epahq@epa.gov)> wrote:

**This report is being sent as a bcc to prevent accidental Reply to All messages.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

<pastedImage.png>

**EOC Spot Report: Region 4, Colonial Pipeline Spill  
into Pond Near Peel Creek, Pelham, AL (NRC #  
1158584)**

**US Environmental Protection Agency**

**Report as of 1935 ET on 09/09/2016**

**Overview:** On September 9<sup>th</sup> at 1449 ET, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek, a tributary of the Cahaba River. The exact amount of the spill is unknown at this time, but Colonial Pipeline estimates that between 1000-2000 gallons of gasoline has entered the pond. Colonial Pipeline has confirmed that the impacted transmission line has been shut down and its environmental contractors are responding to conduct air monitoring and remediation activities. The spill location is in a very remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location. At this time, a beaver dam is preventing the gasoline from

entering Peel Creek. Initial response efforts are focusing on responder health and safety and installing controls to prevent the spill from entering Peel Creek.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The local fire department used firefighting foam to suppress the explosive vapors. The Shelby County Emergency Management Association (EMA) responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State- and County-level agencies. An Incident Command post was established in Hoover, Alabama.

**EPA Actions:** A Region 4 OSC was deployed to assist with the response and has integrated into Unified Command. A Natural Resources Trustee consultation was held with a Region 4 Department of Interior representative. Threatened and endangered species in the area of the spill have been identified.

**Media Interest:** None

**The HQ EOC will continue to monitor and provide updates as needed.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

Steve Ridenour, Senior Watch Officer

U.S. Environmental Protection Agency

Headquarters Emergency Operations Center

1200 Pennsylvania Ave

Washington, DC 20004

202-564-3850

<mailto:eoc.epahq@epa.gov>

**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**Cc:** Eoc, Epahq[Eoc.Epahq@epa.gov]; Berry, Chuck[Berry.Chuck@epa.gov]; Webster, James[Webster.James@epa.gov]; Andrew, Gary[Andrew.Gary@epa.gov]  
**From:** Moore, Tony  
**Sent:** Sat 9/10/2016 3:34:57 PM  
**Subject:** Re: EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584)

Thanks Kevin, still working the CIC

Sent from my iPhone

On Sep 10, 2016, at 12:43 AM, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

Colonial just updated the volumes spilled (see NRC 1158584). The new volume spilled in 42000 gallons. I have mobilized, at the OSCs request, the Gulf Strike Team to assist. We will meet/talk in the morning to discuss the need/plans for an RRT call.

Kevin

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | epaosc.org

On Sep 9, 2016, at 19:38, Eoc, Epahq <Eoc.Epahq@epa.gov> wrote:

**This report is being sent as a bcc to prevent accidental Reply to All messages.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

<pastedImage.png>

## **EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584)**

### **US Environmental Protection Agency**

**Report as of 1935 ET on 09/09/2016**

**Overview:** On September 9<sup>th</sup> at 1449 ET, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek, a tributary of the Cahaba River. The exact amount of the spill is unknown at this time, but Colonial Pipeline estimates that between 1000-2000 gallons of gasoline has entered the pond. Colonial Pipeline has confirmed that the impacted transmission line has been shut down and its environmental contractors are responding to conduct air monitoring and remediation activities. The spill location is in a very remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location. At this time, a beaver dam is preventing the gasoline from entering Peel Creek. Initial response efforts are focusing on responder health and safety and installing controls to prevent the spill from entering Peel Creek.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The local fire department used firefighting foam to suppress the explosive vapors. The Shelby County Emergency Management Association (EMA) responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State- and County-level agencies. An Incident Command post was established in Hoover, Alabama.

**EPA Actions:** A Region 4 OSC was deployed to assist with the response and has integrated into Unified Command. A Natural Resources Trustee consultation was held with a Region 4 Department of Interior representative. Threatened and endangered species in the area of the spill have been identified.

**Media Interest:** None

**The HQ EOC will continue to monitor and provide updates as needed.**

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Steve Ridenour, Senior Watch Officer  
U.S. Environmental Protection Agency  
Headquarters Emergency Operations Center  
1200 Pennsylvania Ave  
Washington, DC 20004  
202-564-3850  
<mailto:eoc.epahq@epa.gov>



**From:** Eoc, Epahq  
**Sent:** Fri 9/9/2016 11:38:33 PM  
**Subject:** EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584)

**This report is being sent as a bcc to prevent accidental Reply to All messages.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**



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monitoring and remediation activities. The spill location is in a very remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location. At this time, a beaver dam is preventing the gasoline from entering Peel Creek. Initial response efforts are focusing on responder health and safety and installing controls to prevent the spill from entering Peel Creek.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The local fire department used firefighting foam to suppress the explosive vapors. The Shelby County Emergency Management Association (EMA) responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State- and County-level agencies. An Incident Command post was established in Hoover, Alabama.

**EPA Actions:** A Region 4 OSC was deployed to assist with the response and has integrated into Unified Command. A Natural Resources Trustee consultation was held with a Region 4 Department of Interior representative. Threatened and endangered species in the area of the spill have been identified.

**Media Interest:** None

**The HQ EOC will continue to monitor and provide updates as needed.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

Steve Ridenour, Senior Watch Officer

U.S. Environmental Protection Agency

Headquarters Emergency Operations Center

1200 Pennsylvania Ave

Washington, DC 20004

202-564-3850

<mailto:eoc.epahq@epa.gov>



**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**Cc:** Moore, Tony[moore.tony@epa.gov]  
**From:** Eichinger, Kevin  
**Sent:** Fri 9/9/2016 6:49:59 PM  
**Subject:** FW: NRC#1158584  
Pelham Pipeline Release 09092016.pdf

ADEM, Shelby County, Plantation and Colonial are responding. They will call me back with the command post location. Attached is the map. The spill is in the Peel Creek which goes to the Cahaba River. I have contact and notified DOI. It is located in protected wetlands/forests. Joyce is checking on who they belong too. Private well would be on the only drinking water concerns, but the area is sparsely populated. I added an incident to the ER Dashboard at the GPS coordinates.

Shelby County EMA Contact - 205-913-4024  
ADEM - Tim Wynn, 205-438-1080  
Colonial - Drew - 678-372-2063

-----Original Message-----

From: HQS-PF-flr-NRC@uscg.mil [mailto:HQS-PF-flr-NRC@uscg.mil]  
Sent: Friday, September 09, 2016 2:08 PM  
To: R4DutyOSC <R4DutyOSC@epa.gov>  
Subject: NRC#1158584

NATIONAL RESPONSE CENTER 1-800-424-8802  
\*\*\*GOVERNMENT USE ONLY\*\*\*GOVERNMENT USE ONLY\*\*\*  
Information released to a third party shall comply with any  
applicable federal and/or state Freedom of Information and Privacy Laws

Incident Report # 1158584

#### INCIDENT DESCRIPTION

\*Report taken by: YN2 RUDY GANTHER at 13:59 on 09-SEP-16  
Incident Type: FIXED  
Incident Cause: UNKNOWN  
Affected Area: POND  
Incident was discovered on 09-SEP-16 at 11:31 local incident time.  
Affected Medium: WATER POND

---

#### REPORTING PARTY

Name: BROCK MOBLEY  
Organization: COLONIAL PIPELINE COMPANY  
Address: 1185 SANCTUARY PARKWAY  
ALPHARETTA, GA 30004  
Email Address: bmobley@colpipe.com

PRIMARY Phone: (678)7622263  
Type of Organization: PRIVATE ENTERPRISE

---

#### SUSPECTED RESPONSIBLE PARTY

Name: BROCK MOBLEY  
Organization: COLONIAL PIPELINE COMPANY  
Address: 1185 SANCTUARY PARKWAY  
ALPHARETTA, GA 30004  
PRIMARY Phone: (678)7622263

---

INCIDENT LOCATION

SEE LAT/LONG County: SHELBY  
COUNTY 91

City: PELHAM State: AL

Latitude: 33° 14' 32" N

Longitude: 086° 55' 06" W

---

RELEASED MATERIAL(S)

CHRIS Code: GAS Official Material Name: GASOLINE: AUTOMOTIVE (UNLEADED)

Also Known As:

Qty Released: 0 UNKNOWN AMOUNT Qty in Water: 0 UNKNOWN AMOUNT

---

DESCRIPTION OF INCIDENT

CALLER IS REPORTING THAT GASOLINE FROM AN UNKNOWN SOURCE WAS FOUND  
AT A LOCATION NEAR WELL SITES. THE GASOLINE CRATED A SHEEN ON A POND  
IN THAT AREA. THE INCIDENT IS BEING INVESTIGATED.

---

SENSITIVE INFORMATION

ON SCENE POINT OF CONTACT- JOHN WYATT, 404-713-9270

---

INCIDENT DETAILS

Package: N/A

Building ID:

Type of Fixed Object: OTHER

Power Generating Facility: NO

Generating Capacity:

Type of Fuel:

NPDES:

NPDES Compliance: UNKNOWN

---WATER INFORMATION---

Body of Water: POND

Tributary of:

Nearest River Mile Marker:

Water Supply Contaminated: UNKNOWN

---

IMPACT

Fire Involved: NO Fire Extinguished: UNKNOWN

INJURIES: NO Hospitalized: Empl/Crew: Passenger:

FATALITIES: NO Empl/Crew: Passenger: Occupant:

EVACUATIONS: NO Who Evacuated: Radius/Area:

Damages: NO

	Hours	Direction of
Closure Type Description of Closure	Closed	Closure
N		

Air:

N

Major

Road:

Artery: N

N

Waterway:

N  
Track:

Environmental Impact: NO  
Media Interest: UNKNOWN Community Impact due to Material:

---

REMEDIAL ACTIONS

INVESTIGATION UNDERWAY.  
Release Secured: UNKNOWN  
Release Rate:  
Estimated Release Duration:

---

WEATHER

Weather: CLEAR, °F

---

ADDITIONAL AGENCIES NOTIFIED

Federal:  
State/Local:  
State/Local On Scene:  
State Agency Number:

---

NOTIFICATIONS BY NRC

ALABAMA DEPT OF ENV MGMT (MAIN OFFICE)  
09-SEP-16 14:07 (334)3944382  
ALABAMA DEPT OF ENV MGMT (BIRMINGHAM FIELD OFFICE)  
09-SEP-16 14:07 (334)3944382  
AL U.S. ATTORNEY'S OFFICE (COMMAND CENTER)  
09-SEP-16 14:07 (205)2442188  
CENTERS FOR DISEASE CONTROL (GRASP)  
09-SEP-16 14:07 (770)4887100  
DHS NOC (NOC)  
09-SEP-16 14:07 (202)2828114  
DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE)  
09-SEP-16 14:07 (202)3661863  
U.S. EPA IV (MAIN OFFICE)  
(404)6504955  
U.S. EPA IV (DUTY OSC)  
09-SEP-16 14:07 (404)6504955  
JFO-LA (COMMAND CENTER)  
09-SEP-16 14:07 (225)3366513  
NATIONAL INFRASTRUCTURE COORD CTR (MAIN OFFICE)  
09-SEP-16 14:07 (202)2829201  
NOAA RPTS FOR AL (MAIN OFFICE)  
09-SEP-16 14:07 (206)5264911  
NATIONAL RESPONSE CENTER HQ (AUTOMATIC REPORTS)  
09-SEP-16 14:07 (202)2671136  
NTSB PIPELINE (MAIN OFFICE)  
09-SEP-16 14:07 (202)3146293  
DOI FOR REGION 4 (MAIN OFFICE)  
09-SEP-16 14:07 (404)3314524  
REPORTING PARTY (RP SUBMITTER)  
09-SEP-16 14:07  
ALABAMA EMA (MAIN OFFICE)  
09-SEP-16 14:07 (205)2802312  
TSA OFFICE OF SECURITY OPERATIONS (SURFACE COMPLIANCE BRANCH SE REGION)

09-SEP-16 14:07 (904)9804075  
USCG DISTRICT 8 (MAIN OFFICE)  
09-SEP-16 14:07 (504)5896225  
USCG DISTRICT 8 (PLANNING)  
09-SEP-16 14:07 (504)6712080

---

ADDITIONAL INFORMATION

---

\*\*\* END INCIDENT REPORT #1158584 \*\*\*  
Report any problems by calling 1-800-424-8802  
PLEASE VISIT OUR WEB SITE AT <http://www.nrc.uscg.mil>

**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Sat 9/17/2016 2:54:39 PM  
**Subject:** Re: New SITREP Format

I'm eating pancakes at IHOP right now. Slept til 9.

Glorious.

On Sep 17, 2016, at 09:43, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

Yeah, agree. We will be far more detailed on restoration of service. I will add the waiver update to the restoration of service. Go to home, get more sleep. Play with the baby...

Kevin

**From:** Berry, Chuck  
**Sent:** Saturday, September 17, 2016 10:41 AM  
**To:** Eichinger, Kevin <Eichinger.Kevin@epa.gov>  
**Cc:** Harper, Greg <Harper.Greg@epa.gov>; Moore, Tony <moore.tony@epa.gov>  
**Subject:** Re: New SITREP Format

Kevin:

Now that restoration is in everyone's radar, I suggest we move to a higher level of reporting on that unified command objective.

I know this wasn't a real sit rep but I've been skirting the issue in my previous reports. We (I guess YOU since you stole my site) should probably feed more of that up the ladder.

Chuck Berry

EPA OSC

404.859.0970

On Sep 17, 2016, at 08:52, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

All,

Chuck and I have not been happy with the SITREP format that I initially put together last Saturday. Attached is the new example format. Let me know what you think.

Kevin

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | [epaossc.org](http://epaossc.org)

<Pelham\_Pipeline\_Spill\_Template\_09162016.docx>

**To:** Johnson, Dora Ann[Johnson.Dora@epa.gov]  
**Cc:** Harper, Greg[Harper.Greg@epa.gov]; Corey CB. Brown[cbrown@bashaservices.com]; Garrard, Jordan[Garrard.Jordan@epa.gov]; Moore, Tony[moore.tony@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Wed 9/14/2016 5:31:12 PM  
**Subject:** Re: Delivery of Mule 6 passanger (2 Bench)

Dora Ann:

Do we need your approval on these requests? I thought Greg was added to the contract. A "you only" status will impede efficient mobilization of much needed resources.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 14, 2016, at 11:56, Johnson, Dora Ann <[Johnson.Dora@epa.gov](mailto:Johnson.Dora@epa.gov)> wrote:

Please assist Greg and Jordan in this request. Let me know if OT or lodging is required also due to the timing of the request.

Thank you,

**Dora Ann Johnson**

Team Lead / Project Officer

US EPA, Region IV

SD/RSIB/RMS

Phone: 404-562-8737

Cell: 404-754-6339

Email: [Johnson.dora@epa.gov](mailto:Johnson.dora@epa.gov)

**From:** Harper, Greg  
**Sent:** Wednesday, September 14, 2016 12:09 PM  
**To:** Corey CB. Brown <[cbrown@bashaservices.com](mailto:cbrown@bashaservices.com)>  
**Cc:** Johnson, Dora Ann <[Johnson.Dora@epa.gov](mailto:Johnson.Dora@epa.gov)>; Garrard, Jordan  
<[Garrard.Jordan@epa.gov](mailto:Garrard.Jordan@epa.gov)>; Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>  
**Subject:** Delivery of Mule 6 passanger (2 Bench)

Corey,

Pelham Pipeline Spill has requested the delivery of the 6 passenger (2 Bench) Mule. It needs to be delivered today. Please coordinate the delivery with Jordan Garrad (678) 644-8648. Jordan will provide the delivery location.

The site is Pelham Pipeline Spill, Pelham, AL site ID V4CO

Thank you,

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response Removal and Preparedness Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

**To:** chucklberry@gmail.com[chucklberry@gmail.com]  
**From:** Berry, Chuck  
**Sent:** Sun 9/11/2016 4:23:40 PM  
**Subject:** Fwd: SITREP #1 - Pelham Pipeline Release

Chuck Berry  
EPA OSC  
404.859.0970

Begin forwarded message:

**From:** "Eichinger, Kevin" <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>  
**Date:** September 10, 2016 at 17:47:22 CDT  
**Cc:** "Eichinger, Kevin" <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>  
**Subject:** SITREP #1 - Pelham Pipeline Release



## **NRC 1158584, Pelham Pipeline Spill, Pelham, Shelby County, Alabama**

### **SITUATION REPORT #1**

1800, September 10, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported to the National

Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into the Peel Creek which is a tributary of the Cahaba River. The exact amount of the release was unknown; however, Colonial Pipeline initially estimated that between 1000 and 2000 gallons of gasoline entered the pond (the spill volume has been updated to 100,000 gallons in the pond – See "Current Operations" for more information). The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location.

Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post has been established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location.

At this time, site topography is preventing the gasoline from entering Peel Creek. The pond appears to be a former borrow pit, and only overflows after substantial rain. While this makes containment much easier, it also serves to concentrate the explosive and toxic vapors. Initial response efforts are focusing on responder health and safety and installing controls to prevent downstream migration if a sufficient rain event were to occur.

Colonial Pipeline has confirmed that the impacted transmission line has been shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted from the large areas of pooled gasoline. There is an increased risk of rain for Sunday and Monday September 11<sup>th</sup> and 12<sup>th</sup>.

Threatened and endangered species in the area of the spill have been identified and communicated to Unified Command.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

## **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and has integrated into Unified Command. A Natural Resources Trustee consult was held with the Region 4 Department of Interior Representative. OSC Englert and OSC Williamson have been deployed to assist within Unified Command as have 4 US Coast Guard Gulf Strike Team members. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

Current number of EPA Personnel Assigned: 3

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members:  
4

## **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 EDT daily.

## **CURRENT OPERATIONS**

- [ ] Site access remains the largest obstacle to remediation. Not only from the poor roads and remote location, but the inability of personnel to approach the pond due to high explosive atmosphere readings and toxic vapors. Despite the use of respiratory protection, the potential for a catastrophic fire limits response efforts.
- [ ] Initial volume estimates were not based on information from the pipeline system: the system noted no pressure loss. The last time the property owners observed the impacted pond was 2 weeks ago, which means that a slow leak may have been present for a long period of time resulting in little to no appreciable volume loss in any instantaneous measurement.
- [ ] The initial volume reported was based solely on visual estimates of first responders' impressions of the pond visually. Colonial made an estimated volume update on September 9th based on better information from the field. However, this was still unsupported by hard data.

Response crews completed a complicated Level B entry first thing this morning to physically measure the thickness of the product on the pond. The total thickness on the pond is currently estimated to be 3.25 inches.

- Colonial has managed to briefly operate a pump and removed an estimated 16,000 gallons of liquid from the pond. However, if the pond is estimated to conservatively be 3 feet deep, there is over a million gallons of liquid in the pond. Colonial is currently devising plans to deal with this volume on site. Temporary storage tanks have been mobilized to the site, but their capacity is currently about 250,000 gallons. Colonial has off-site storage available also, but transportation out of the remote area will complicate and delay these efforts.

- Colonial's pumping is currently on hold as benzene levels and LEL readings have risen too high around the vacuum truck to safely operate the equipment.

- EPA/GST is currently incorporating into Operations and air monitoring. If removal operations start back up overnight, EPA will monitor the safety and air monitoring activities.

-

#### **PLANNED RESPONSE ACTIVITIES**

- Continue to participate in UC

- Monitor removal activities

- Monitor safety air monitoring

- Review and monitor the contingency booms and diversion activities in preparation for future rain events. It should be noted that, based on the best available information now (which is limited due to terrain, vapors, and thick forest) there is little expectation for overtopping of the pond due to the small amounts of rain expected, based on NWS predictions.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4 | 61 Forsyth St SW | Atlanta, Georgia | 30303**

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | [cpaosc.org](http://cpaosc.org)



**To:** Webster, James[Webster.James@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Sat 9/17/2016 6:51:13 PM  
**Subject:** Re: Colonial Pipeline Spill

Talked to Kevin.

He's "handling" it. You should talk to him directly for clarification. I think tony has a 2pm call with him.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 17, 2016, at 14:40, Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

Well let's talk. I am home.

Sent from my iPhone

On Sep 17, 2016, at 2:39 PM, Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)> wrote:

I removed Joyce from this thread.

I also just spoke with Miguel.

We ALL need to talk.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 17, 2016, at 13:50, Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

Joyce

I just spoke to NPFC NRDA Division. Pre-assessment work is allowed under a PRFA. Post assessment work is not. The IC will be working with F&W to tighten up the statement of work and pre-assessment budget estimate

Jim

Sent from my iPhone

On Sep 17, 2016, at 1:27 PM, Stanley, Joyce <[joyce\\_stanley@ios.doi.gov](mailto:joyce_stanley@ios.doi.gov)> wrote:

Okay

*Joyce A. Stanley, MPA  
Regional Environmental Protection Specialist  
US Department of the Interior  
Office of Environmental Policy and Compliance  
(404) 331-4524 - Office  
(404) 331-1736 - Fax  
- Mobile*

Exemption 6 Personal Privacy

[joyce\\_stanley@ios.doi.gov](mailto:joyce_stanley@ios.doi.gov)  
<http://www.doi.gov/oepc/atlanta.html>

On Sat, Sep 17, 2016 at 1:25 PM, Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

If they need any help with NPFC, ease let us know.

Sent from my iPhone

On Sep 17, 2016, at 1:13 PM, Stanley, Joyce <[joyce\\_stanley@ios.doi.gov](mailto:joyce_stanley@ios.doi.gov)> wrote:

Thanks James for this explanation. It really clears up things.

*Joyce A. Stanley, MPA  
Regional Environmental Protection Specialist  
US Department of the Interior  
Office of Environmental Policy and Compliance  
(404) 331-4524 - Office  
(404) 331-1736 - Fax  
- Mobile*

[joyce\\_stanley@ios.doi.gov](mailto:joyce_stanley@ios.doi.gov)  
<http://www.doi.gov/oepc/atlanta.html>

On Sat, Sep 17, 2016 at 1:11 PM, Webster, James  
<[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

Joyce  
The Statement of work that F&W proposed was for resource assessment work

If fish and wildlife want to do assessments they will need to secure NRDA funding directly from NPFC as PRFAs cannot be used to fund resource natural resource impacts An IAG is fairly simple to establish

Exemption 6 Personal Privacy

*Re: [redacted]*

with the NPFC NRDA Division

If there is something operation that they can provide, they can discuss with the incident Commander

Thanks  
Jim

Sent from my iPhone

On Sep 17, 2016, at 1:03 PM, Stanley, Joyce  
<[joyce\\_stanley@ios.doi.gov](mailto:joyce_stanley@ios.doi.gov)> wrote:

Hello James,

There are T & E species onsite and we want FWS to assist in the response. What is the status of the PRFA request?

Thanks for your help on this.

*Joyce A. Stanley, MPA  
Regional Environmental Protection Specialist  
US Department of the Interior  
Office of Environmental Policy and Compliance  
(404) 331-4524 - Office  
X(404) 331-1736 - Fax  
----- - Mobile*

Exemption 6 Personal Privacy

*[joyce\\_stanley@ios.doi.gov](mailto:joyce_stanley@ios.doi.gov)*

*<http://www.doi.gov/oepc/atlanta.html>*



**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Sat 9/17/2016 3:02:18 PM  
**Subject:** Re: New SITREP Format

I'm glad you at least understood what I was saying.

On Sep 17, 2016, at 09:46, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

No dates, only current ops plans. There are two concurrent operations in play to restore service. We will report more detail info on those two plans.

**From:** Moore, Tony  
**Sent:** Saturday, September 17, 2016 10:44 AM  
**To:** Berry, Chuck <Berry.Chuck@epa.gov>  
**Cc:** Eichinger, Kevin <Eichinger.Kevin@epa.gov>; Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** Re: New SITREP Format

Don't put that in writing unless it's achievable. Sitreps are public. Restoration has been the big question. Let's talk.

Sent from my iPhone

On Sep 17, 2016, at 10:41 AM, Berry, Chuck <Berry.Chuck@epa.gov> wrote:

Kevin:

Now that restoration is in everyone's radar, I suggest we move to a higher level of reporting on that unified command objective.

I know this wasn't a real sit rep but I've been skirting the issue in my previous reports. We (I guess YOU since you stole my site) should probably feed more of that up the ladder.

Chuck Berry

EPA OSC

404.859.0970

On Sep 17, 2016, at 08:52, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

All,

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Kevin

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4 | 61 Forsyth St SW | Atlanta, Georgia | 30303**

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | [epaossc.org](http://epaossc.org)

<Pelham\_Pipeline\_Spill\_Template\_09162016.docx>

**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**Cc:** Harper, Greg[Harper.Greg@epa.gov]; Moore, Tony[moore.tony@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Sat 9/17/2016 2:43:20 PM  
**Subject:** Re: New SITREP Format

You should also update EPAOSC front page. That information is dated as well.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 17, 2016, at 08:52, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

All,

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Kevin

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

U.S. Environmental Protection Agency, Region 4 | 61 Forsyth St SW | Atlanta, Georgia | 30303

Emergency Response, Removal and Prevention Branch (ERRB)

office: 404-562-8268 | cell: 678-897-3759 | [epaosc.org](http://epaosc.org)

<Pelham\_Pipeline\_Spill\_Template\_09162016.docx>



**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**Cc:** Harper, Greg[Harper.Greg@epa.gov]; Moore, Tony[moore.tony@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Sat 9/17/2016 2:41:05 PM  
**Subject:** Re: New SITREP Format

Kevin:

Now that restoration is in everyone's radar, I suggest we move to a higher level of reporting on that unified command objective.

I know this wasn't a real sit rep but I've been skirting the issue in my previous reports. We (I guess YOU since you stole my site) should probably feed more of that up the ladder.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 17, 2016, at 08:52, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

All,

Chuck and I have not been happy with the SITREP format that I initially put together last Saturday. Attached is the new example format. Let me know what you think.

Kevin

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

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<Pelham\_Pipeline\_Spill\_Template\_09162016.docx>



**To:** Andrew, Gary[Andrew.Gary@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Fri 9/16/2016 2:12:28 PM  
**Subject:** Re: RRT 4 Incident Specific Activation - Pelham Pipeline Spill

Include Kevin.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 16, 2016, at 08:25, Andrew, Gary <Andrew.Gary@epa.gov> wrote:

Draft Agenda:

RRT 4 Incident Specific Activation: Pelham Pipeline Spill  
Roll Call: Gary Andrew  
Welcome: James Webster  
Site Briefing: EPA OSC Chuck Berry  
Discussion: James Webster  
Summary: Gary Andrew  
Closing Comments: Co-Chairs, ADEM, DOI

Call-in #:  
Conference #:  
<meeting.ics>

(b) (6)



Redaction(s)  
subject to Exemption 6 (Personal  
Privacy Information)

2024-01-01  
2024-01-01

**To:** Andrew, Gary[Andrew.Gary@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Fri 9/16/2016 2:11:59 PM  
**Subject:** Re: RRT 4 Incident Specific Activation - Pelham Pipeline Spill

Between 1230 and 1430 central fits between everything else. I can push back but not forward.

Thanks man.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 16, 2016, at 08:40, Andrew, Gary <Andrew.Gary@epa.gov> wrote:

What do you have in mind?

Gary A

-----Original Message-----

From: Berry, Chuck  
Sent: Friday, September 16, 2016 9:35 AM  
To: Andrew, Gary <Andrew.Gary@epa.gov>  
Cc: forest.a.willis@uscg.mil; Webster, James <Webster.James@epa.gov>; Joyce\_Stanley@ios.doi.gov; GSpringer@adem.state.al.us; lindy\_nelson@ios.doi.gov; Gwen Keenan <gwen.keenan@fema.dhs.gov>; Stilman, Terry <Stilman.Terry@epa.gov>; Harper, Greg <Harper.Greg@epa.gov>; Moore, Tony <moore.tony@epa.gov>  
Subject: Re: RRT 4 Incident Specific Activation - Pelham Pipeline Spill

I'll be in the field until noon my time at the earliest. It's too loud out there to conduct this call. Can we find sometime later?

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 16, 2016, at 08:25, Andrew, Gary <Andrew.Gary@epa.gov> wrote:

Draft Agenda:

RRT 4 Incident Specific Activation: Pelham Pipeline Spill Roll Call: Gary Andrew  
Welcome: James Webster  
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Closing Comments: Co-Chairs, ADEM, DOI

Call-in #: .  
Conference #:  
<meeting.ics>

(b) (6)





**Cc:** forest.a.willis@uscg.mil[forest.a.willis@uscg.mil]; Webster, James[Webster.James@epa.gov]; Joyce\_Stanley@ios.doi.gov[Joyce\_Stanley@ios.doi.gov]; GSpringer@adem.state.al.us[GSpringer@adem.state.al.us]; lindy\_nelson@ios.doi.gov[lindy\_nelson@ios.doi.gov]; Gwen Keenan[gwen.keenan@fema.dhs.gov]; Stilman, Terry[Stilman.Terry@epa.gov]; Harper, Greg[Harper.Greg@epa.gov]; Moore, Tony[moore.tony@epa.gov]  
**To:** Andrew, Gary[Andrew.Gary@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Fri 9/16/2016 1:35:14 PM  
**Subject:** Re: RRT 4 Incident Specific Activation - Pelham Pipeline Spill

I'll be in the field until noon my time at the earliest. It's too loud out there to conduct this call. Can we find sometime later?

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 16, 2016, at 08:25, Andrew, Gary <Andrew.Gary@epa.gov> wrote:

Draft Agenda:

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Closing Comments: Co-Chairs, ADEM, DOI

(b) (6)

Call-in #  
Conference #:  
<meeting.ics>



**To:** Arnold, Terri[tarnold@colpipe.com]  
**Cc:** timothy.wynn@adem.state.al.us[timothy.wynn@adem.state.al.us]; Beck, Gerald A.[GBeck@colpipe.com]; Eichinger, Kevin[Eichinger.Kevin@epa.gov]; Pruitt, Darren J[DPruitt@colpipe.com]; Kolar, Angela[AKolar@colpipe.com]  
**From:** Berry, Chuck  
**Sent:** Fri 9/16/2016 11:00:04 AM  
**Subject:** Re: Colonial Pipeline LEL Suppression Plan for CR 91 on behalf of Darren Pruitt (IC)

Apologies. I wasn't aware we we're this close to implementation.

Move forward with this plan. Tim has been replaced by josh from ADEM.

On Sep 16, 2016, at 00:19, Arnold, Terri <tarnold@colpipe.com> wrote:

Chuck,

The 204 was in today's IAP. We only need to get State approval if you approve and I was prepared to call Timothy Wynn. All work is shut down and the crews are prepared to dig once approved.

Thank you,

Darren Pruitt

Deputy Incident Commander

336-339-1280

**Terri Arnold**

**Colonial Pipeline Company**

<image002.jpg>

**Office: 770 819-3551**

**Cell:**

Exemption 6 Personal Privacy

**Fax: 770-819-3567**

**From:** Berry, Chuck [<mailto:Berry.Chuck@epa.gov>]  
**Sent:** Friday, September 16, 2016 12:12 AM  
**To:** Arnold, Terri <[tarnold@colpipe.com](mailto:tarnold@colpipe.com)>  
**Cc:** [timothy.wynn@adem.state.al.us](mailto:timothy.wynn@adem.state.al.us); Beck, Gerald A. <[GBeck@colpipe.com](mailto:GBeck@colpipe.com)>; Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>; Pruitt, Darren J <[DPruitt@colpipe.com](mailto:DPruitt@colpipe.com)>; Kolar, Angela <[AKolar@colpipe.com](mailto:AKolar@colpipe.com)>  
**Subject:** Re: Colonial Pipeline LEL Suppression Plan for CR 91 on behalf of Darren Pruitt (IC)

Terri:

Please prepare the 204s for this activity. We can discuss any final edits during UC meeting. There's a 99.9% chance excavation will occur. Kevin needs to look this over, and the day shift people need to rest now.

It looks to me as if everything was addressed. I see no need to stop progress on 204s or ops preparations. Any changes will be minor.

Chuck Berry

EPA OSC

404.859.0970

On Sep 15, 2016, at 23:46, Arnold, Terri <[tarnold@colpipe.com](mailto:tarnold@colpipe.com)> wrote:

For your approval please find attached the revised LEL Suppression plan with the requested additional clarification of terms and definitions.

Please send approvals by email back to [tarnold@colpipe.com](mailto:tarnold@colpipe.com).

Thank you,

**Terri Arnold**

**Colonial Pipeline Company**

<image002.jpg>

**Office: 770 819-3551**

**Cell:** Exemption 6 Personal Privacy

**Fax: 770-819-3567**

<LEL Suppression Plan\_Revised Final.docx>

<REVISED\_LEL Suppression Plan\_COVER PAGE.docx>

<MSDS F500.pdf>



**To:** Arnold, Terri[tarnold@colpipe.com]  
**Cc:** timothy.wynn@adem.state.al.us[timothy.wynn@adem.state.al.us]; Beck, Gerald A.[GBeck@colpipe.com]; Eichinger, Kevin[Eichinger.Kevin@epa.gov]; Pruitt, Darren J[DPruitt@colpipe.com]; Kolar, Angela[AKolar@colpipe.com]  
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**Sent:** Fri 9/16/2016 11:00:04 AM  
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336-339-1280

**Terri Arnold**

**Colonial Pipeline Company**

<image002.jpg>

**Office: 770 819-3551**

**Cell:**

**Exemption 6 Personal Privacy**

**Fax: 770-819-3567**

**From:** Berry, Chuck [<mailto:Berry.Chuck@epa.gov>]  
**Sent:** Friday, September 16, 2016 12:12 AM  
**To:** Arnold, Terri <[tarnold@colpipe.com](mailto:tarnold@colpipe.com)>  
**Cc:** [timothy.wynn@adem.state.al.us](mailto:timothy.wynn@adem.state.al.us); Beck, Gerald A. <[GBeck@colpipe.com](mailto:GBeck@colpipe.com)>; Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>; Pruitt, Darren J <[DPruitt@colpipe.com](mailto:DPruitt@colpipe.com)>; Kolar, Angela <[AKolar@colpipe.com](mailto:AKolar@colpipe.com)>  
**Subject:** Re: Colonial Pipeline LEL Suppression Plan for CR 91 on behalf of Darren Pruitt (IC)

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Chuck Berry

EPA OSC

404.859.0970

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Please send approvals by email back to [tarnold@colpipe.com](mailto:tarnold@colpipe.com).

Thank you,

**Terri Arnold**

**Colonial Pipeline Company**

<image002.jpg>

**Office: 770 819-3551**

**Cell: Exemption 6 Personal Privacy**

**Fax: 770-819-3567**

<LEL Suppression Plan\_Revised Final.docx>

<REVISED\_LEL Suppression Plan\_COVER PAGE.docx>

<MSDS F500.pdf>



**To:** Arnold, Terri[tarnold@colpipe.com]  
**Cc:** timothy.wynn@adem.state.al.us[timothy.wynn@adem.state.al.us]; Beck, Gerald A.[GBeck@colpipe.com]; Eichinger, Kevin[Eichinger.Kevin@epa.gov]; Pruitt, Darren J[DPruitt@colpipe.com]; Kolar, Angela[AKolar@colpipe.com]  
**From:** Berry, Chuck  
**Sent:** Fri 9/16/2016 5:11:42 AM  
**Subject:** Re: Colonial Pipeline LEL Suppression Plan for CR 91 on behalf of Darren Pruitt (IC)

Terri:

Please prepare the 204s for this activity. We can discuss any final edits during UC meeting. There's a 99.9% chance excavation will occur. Kevin needs to look this over, and the day shift people need to rest now.

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Chuck Berry  
EPA OSC  
404.859.0970

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Please send approvals by email back to [tarnold@colpipe.com](mailto:tarnold@colpipe.com).

Thank you,

**Terri Arnold**

**Colonial Pipeline Company**

<image002.jpg>

**Office: 770 819-3551**

**Cell:**

Exemption 6 Personal Privacy

**Fax: 770-819-3567**

<LEL Suppression Plan\_Revised Final.docx>

<REVISED\_LEL Suppression Plan\_COVER PAGE.docx>

<MSDS F500.pdf>

**To:** Webster, James[Webster.James@epa.gov];  
Joyce\_St Stanley@ios.doi.gov[Joyce\_St Stanley@ios.doi.gov];  
GSpringer@adem.state.al.us[GSpringer@adem.state.al.us]  
**From:** Berry, Chuck  
**Sent:** Thur 9/15/2016 10:53:12 PM  
**Subject:** 40 CFR 300.910 (d) Notification

All:

EPA OSC Chuck Berry as part of the Unified Command is authorizing the use of a multi-purpose fire-fighting vapor suppressor / surface washing agent to suppress explosive vapors at the Pelham Pipeline Spill. The product F-500 Multipurpose Encapsulator Agent will be applied to soil saturated with gasoline in order to reduce vapors to below-explosive levels. It is not being applied directly to water, but there is a slight risk of runoff entering a pond. This pond currently holds an estimated 100,000 gallons of gasoline. The OSC determined the risk to the environment is far outweighed by the decreased risk of fire or explosion at the work site.

Chuck Berry

On-Scene Coordinator

US Environmental Protection Agency

61 Forsyth Street, 11th Floor

Atlanta, GA 30303

404.562.8278 (Office)

404.859.0970 (Cell)

[berry.chuck@epa.gov](mailto:berry.chuck@epa.gov)



**To:** Stilman, Terry[Stilman.Terry@epa.gov]; Brian Croft[Brian.Croft@tetrattech.com]  
**From:** Berry, Chuck  
**Sent:** Thur 9/15/2016 12:43:08 PM  
**Subject:** Fwd: Draft Sampling Plan

Chuck Berry  
EPA OSC  
404.859.0970

Begin forwarded message:

**From:** "Titus, Jeff" <jtitus@colpipe.com>  
**To:** "Berry, Chuck" <Berry.Chuck@epa.gov>  
**Cc:** "Wyatt, John M." <JMWyatt@colpipe.com>  
**Subject:** Fwd: Draft Sampling Plan

Chuck.

Attached please find the draft surface water and sediment sampling and analysis plan

We will work with your representatives today to finalize this for you UC/IC approval

thank you  
Jeff Titus



**To:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Tue 9/13/2016 10:27:38 PM  
**Subject:** sitrep  
Pelham Pipeline Spill SITREP 4 09132016.docx

Chuck Berry

On-Scene Coordinator

US Environmental Protection Agency

61 Forsyth Street, 11th Floor

Atlanta, GA 30303

404.562.8278 (Office)

404.859.0970 (Cell)

[berry.chuck@epa.gov](mailto:berry.chuck@epa.gov)





**NRC 1158584, Pelham Pipeline Spill**  
**Pelham, Shelby County, Alabama**  
**SITUATION REPORT #3**  
1800, September 12, 2016

**INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond (Pond 2 on the attached Figure) that feeds into Peel Creek which is a tributary of the Cahaba River. The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1000 and 2000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons)– See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline. There is an increased risk of rain for Sunday and Monday September 11<sup>th</sup> and 12<sup>th</sup>.

Threatened and endangered species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

**INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry was deploy to the Incident Command Post and has integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Williamson, and 4 US Coast Guard Gulf Strike Team members have been deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

OSC Garrard mobilized to the site to overlap with OSC Williamson tomorrow. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

While the pipeline pumps are shut off, the pipeline continues to drain into Pond 2. The flow rate has lessened over the last day, but visually appears to be approximately 3 gallons per minute. Colonial has installed both stopples. One is currently set and the other is tapping through the pipeline to emplace the plug. Once installed, the fuel will be vacuumed from the line and into trucks for shipment to the Colonial Pelham terminal.

The high level of explosive vapors is the greatest limiting factor to recovery operations. Colonial contractor CTEH is on site providing air monitoring services. They have set up an AreaRAE network and are also providing roving and escort services for personnel working inside the hot zone. All personnel entering the hot zone are required to have flame resistant clothing and an air monitoring escort. Action levels for benzene, VOCs and explosive vapors have been set. Work is frequently stopped due to excess benzene and LEL readings, slowing recovery. Today's highest VOC level peaked at 489 parts per million (ppm). The highest benzene level recorded was 4.8 ppm, although LEL levels remain in the 100% range.

Colonial continues to increase its footprint at the site, building new roads to ease traffic congestion and allow for larger vehicles to access closer locations. A vapor recover scrubber has been mobilized in to scrub vapors. An decon pad for trucks has been constructed to decon fuel-contaminated equipment.

Colonial has managed to remove approximately 107,304 gallons of liquid from Pond 2. Of that volume 18,928 gallons of fuel have been separated and 88,376 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined the estimated discharge volume to be 235,919 gallons. Of that, 115,700 gallons is estimated to have evaporated. Another 101,291 is estimated to remain in the pond. These numbers are highly estimated and will likely change significantly over time.

The diversions designed for Pond 3 are in place, which include a substantial underflow dam at the pond outfall. However, no oil sheening is visible along the shoreline with Pond 2. Colonial continues to monitor the pond and will notify UC if any petroleum is noted. Significant rainfall may be received depending on the actions of a new tropical storm system forming in the Gulf of Mexico.

EPA/GST is incorporated into Operations and air monitoring. Two GST members observed operations overnight. OSC Williamson and 2 GST members spent today on site monitoring safety and progress. OSC Williamson briefly met with the Vice President of Colonial during a VIP visit to the work site.

### **PLANNED RESPONSE ACTIVITIES**

- Continue to participate in UC
- Monitor removal activities
- Monitor safety air monitoring
- Prepare for and coordinate a transition to a removal phase.

**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Tue 9/13/2016 2:03:02 AM  
**Subject:** Re: SITREP #3 - Pelham Pipeline Release

Already do for a host of other reasons.

Maybe not "resent". More like "despise". But it's all the same. Hate. Hate. Hate.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 12, 2016, at 20:59, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

And the other OSC that are there are making OT while you don't. You will soon begin to resent them.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | epaosc.org

On Sep 12, 2016, at 20:56, Berry, Chuck <Berry.Chuck@epa.gov> wrote:

I don't want to change site name from Spill. I like spill. I just used release on the strep. It should have been spill all along. Or at best discharge.

But spill is good. I like spill.

Until I stop getting overtime, at which point, spill sucks.

14 fucking hours today.

R1.

Been here 5 days already.

Seems.....wrong.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 12, 2016, at 20:21, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

Your site, call it Discharge. For that matter, call it Chuck's Leaky Pipe. Just make sure we update Cincinnati and the Fund Center.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | [61 Forsyth St SW](#) | [Atlanta, Georgia](#) | [30303](#)

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On Sep 12, 2016, at 20:18, Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)> wrote:

I hate inconsistency.

I agree spill is neutral. But ncp is specific. It may depend on whose definitions you use.

It's "release" on sit rep. That was my error when I wrote it.

On Sep 12, 2016, at 20:05, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

Release is no good for oil. It's listed as a spill in the sitrep, which is ok. The subject line of the email is incorrect. Sorry I was not looking at the subject line.

Seriously though, the official site name with the NPFC and in our financial system is Pelham Pipeline Spill, which is proper terminology. If you want Discharge, which is also proper terminology, then you'll need Greg to contact the Fund Center and Cincinnati to change it.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | [61 Forsyth St SW](#) | [Atlanta, Georgia](#) | [30303](#)

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On Sep 12, 2016, at 19:59, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

Look at OPA 90 and look at the NPFC. The NPFC doesn't fund and oil discharge. They fund an oil spill. Spill and discharge are good for oil.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

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On Sep 12, 2016, at 19:57, Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)> wrote:

Uh-uh. Looking at ncp now. Discharge is CWA. Release is CERCLA. Not contaminant specific but authorizing law specific. You can discharge and release a has substance into water. You can only discharge oil.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 12, 2016, at 19:41, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

Both spill and discharge are ok for oil. Cercla is a release. The site name from the start has been Pelham pipeline spill. You are good.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

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On Sep 12, 2016, at 19:40, Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)> wrote:

Damn. Just noticed it should be Pelham pipeline "discharge"

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 12, 2016, at 19:32, Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)> wrote:

<image002.jpg>

## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #3**

1800, September 12, 2016

#### **INCIDENT DESCRIPTION**

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On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and has integrated into Unified Command. The Unified Command structure includes the EPA, Colonial, ADEM, and

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- ☐ Continue to participate in UC

- Monitor removal activities
- Monitor safety air monitoring
- Prepare for and coordinate a transition to a removal phase

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

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Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

<Pelham\_Pipeline\_Spill\_SITREP\_3\_09122016.pdf>

**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**Cc:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Tue 9/13/2016 2:01:20 AM  
**Subject:** Re: SITREP #3 - Pelham Pipeline Release

Yeah. I do miss your capabilities and writing skills.

But alas, I'm stuck with Greg.

At least he's not Carter. Not saying much, but at least it's something.

FYI Carter can't write a field report but can whip a site into shape. not a joke either. He me and coasties beat up on Colonial last night. Today was like a brand new operation.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 12, 2016, at 20:23, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

Just saying, if I was still the SITL, there would have been no inconsistencies.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

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**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | epaosc.org

On Sep 12, 2016, at 20:21, Harper, Greg <Harper.Greg@epa.gov> wrote:

Kevin and Chuck it was consistent with the titles on the email and sitrep #2 ;)

Gregory L. Harper

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[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**From:** Berry, Chuck

**Sent:** Monday, September 12, 2016 9:19 PM

**To:** Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>; Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)>

**Subject:** Re: SITREP #3 - Pelham Pipeline Release

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<image002.jpg>

**NRC 1158584, Pelham Pipeline Spill**  
**Pelham, Shelby County, Alabama**  
**SITUATION REPORT #3**

1800, September 12, 2016

**INCIDENT DESCRIPTION**

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<Pelham\_Pipeline\_Spill\_SITREP\_3\_09122016.pdf>

**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Tue 9/13/2016 1:56:51 AM  
**Subject:** Re: SITREP #3 - Pelham Pipeline Release

I don't want to change site name from Spill. I like spill. I just used release on the strep. It should have been spill all along. Or at best discharge.

But spill is good. I like spill.

Until I stop getting overtime, at which point, spill sucks.

14 fucking hours today.

R1.

Been here 5 days already.

Seems.....wrong.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 12, 2016, at 20:21, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

Your site, call it Discharge. For that matter, call it Chuck's Leaky Pipe. Just make sure we update Cincinnati and the Fund Center.

---

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<image002.jpg>

## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

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On September 9, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond (Pond 2 on the attached Figure) that feeds into Peel Creek, a tributary of the Cahaba River. The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1000 and 2000 gallons of gasoline entered the pond (the spill volume has been updated to 100,000 gallons in the pond – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the affected transmission line has been shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted from the large areas of pooled gasoline. Weather reports indicate that there is an increased risk of rain for Sunday and Monday, September 11<sup>th</sup> and 12<sup>th</sup>.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from

the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and has integrated into Unified Command. The Unified Command structure includes the EPA, Colonial, ADEM, and Shelby County EMA. OSC Williamson, and four US Coast Guard Gulf Strike Team members have been deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

Due to limited overnights operations, OSC Englert demobilized today.

Current number of EPA Personnel Assigned: 2

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 EDT daily.

### **CURRENT OPERATIONS**

Although the pipeline pumps are shut off, the pipeline continues to drain into Pond 2. The flow rate has decreased over the last day, but visually appears to be approximately three gallons per minute. Colonial has installed one of the stopples and is currently installing the second. Once the stopples are installed, the fuel will be vacuumed from the line and into trucks for shipment to the Colonial Pelham terminal. Evacuation of the pipeline will be followed by a nitrogen purge to remove all fuel from the line.

The high level of explosive vapors is the greatest limiting factor to recovery operations. Colonial contractor CTEH is on site providing air monitoring services. They have set up an AreaRAE network and are providing roving and escort services for response personnel working inside the hot zone. All personnel entering the hot zone are required to have flame resistant clothing and an air monitoring escort. Action levels for benzene, VOCs and explosive vapors have been established. The work is frequently stopped due to excessive benzene and LEL readings thus slowing recovery operations. Today's highest VOC level is roughly half of yesterdays, peaking at 1,564 ppm. The highest LEL levels also dropped to 95%. Benzene levels peaked at only 8ppm thus allowing for more recovery work today.

Colonial has managed to remove approximately 40,000 gallons of liquid from Pond 2. Of that volume 5,500 gallons of oil have been separated and 34,500 gallons of mixed oil/water remain. Colonial established a new pumping area on the north end of the pond where vapor levels were lower. Vacuum trucks continue to pump from this location. Colonial is currently planning on placing "frac" tanks in a new location to the north to cut down on transit circuit time for those trucks needing to off-load and return.

The diversions designed for Pond 3 are in place, which include a substantial underflow dam at the pond's outfall. No oil sheening is visible along the shoreline at Pond 3. Colonial continues to monitor the pond and will notify UC if any petroleum is noted.

EPA/GST is incorporated into Operations and air monitoring. OSC Englert and two GST members observed site operations overnight. Colonial has increased its Safety Personnel and air monitoring staffing levels based on input from EPA field personnel. OSC Williamson and two GST members spent the day on site monitoring safety and response progress. EPA/GST assisted Colonial with planning and installation of the Pond 3 augmentation and will continue to coordinate in those efforts. Two GST members will man the overnight shift as FOSCRs.

OSC Berry has reviewed several plans developed by the Planning Section, including an Impacted Wildlife Management and Waste Management plan. There were several revisions needed in the Waste Management Plan. Approval is expected tomorrow.

#### **PLANNED RESPONSE ACTIVITIES**

- Continue to participate in UC
- Monitor removal activities
- Monitor safety air monitoring
- Prepare for and coordinate a transition to a removal phase

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

<Pelham\_Pipeline\_Spill\_SITREP\_3\_09122016.pdf>



**To:** Moore, Tony[moore.tony@epa.gov]  
**Cc:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Mon 9/12/2016 11:34:12 PM  
**Subject:** Re: sitrep

Tony, I won't lie: I just spaced. I was writing the 311 order until I saw it was 5:30 my time.

1800 is still achievable if I stay focused.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 12, 2016, at 18:30, Moore, Tony <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)> wrote:

Do we need to adjust the time based on either you being in the central time zone or more importantly your side meetings

Sent from my iPhone

On Sep 12, 2016, at 7:16 PM, Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)> wrote:

Greg - Please edit for higher-ups.

Tony - Here's a sneak peek in case someone is asking about it.

Chuck Berry

On-Scene Coordinator

US Environmental Protection Agency

61 Forsyth Street, 11th Floor

Atlanta, GA 30303

404.562.8278 (Office)

404.859.0970 (Cell)

[berry.chuck@epa.gov](mailto:berry.chuck@epa.gov)

<Pelham\_Pipeline\_Spill\_SITREP\_3\_09122016.docx>



**To:** Moore, Tony[moore.tony@epa.gov]; Harper, Greg[Harper.Greg@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Mon 9/12/2016 11:16:07 PM  
**Subject:** sitrep  
Pelham Pipeline Spill SITREP 3 09122016.docx

Greg - Please edit for higher-ups.

Tony - Here's a sneak peek in case someone is asking about it.

Chuck Berry

On-Scene Coordinator

US Environmental Protection Agency

61 Forsyth Street, 11th Floor

Atlanta, GA 30303

404.562.8278 (Office)

404.859.0970 (Cell)

[berry.chuck@epa.gov](mailto:berry.chuck@epa.gov)





**NRC 1158584, Pelham Pipeline Spill**  
**Pelham, Shelby County, Alabama**  
**SITUATION REPORT #3**  
1800, September 12, 2016

**INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond (Pond 2 on the attached Figure) that feeds into Peel Creek which is a tributary of the Cahaba River. The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1000 and 2000 gallons of gasoline entered the pond (the spill volume has been updated to 100,000 gallons in the pond – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline. There is an increased risk of rain for Sunday and Monday September 11<sup>th</sup> and 12<sup>th</sup>.

Threatened and endangered species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

**INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry was deploy to the Incident Command Post and has integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Williamson, and 4 US Coast Guard Gulf Strike Team members have been deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

OSC Englert demobilized today.

Current number of EPA Personnel Assigned: 2

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

## **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 EDT daily.

## **CURRENT OPERATIONS**

While the pipeline pumps are shut off, the pipeline continues to drain into Pond 2. The flow rate has lessened over the last day, but visually appears to be approximately 3 gallons per minute. Colonial has installed 1 of the stopples and is currently installing the second. Once installed, the fuel will be vacuumed from the line and into trucks for shipment to the Colonial Pelham terminal. Evacuation of the line will be followed by nitrogen purging to remove all fuel from the line.

The high level of explosive vapors is the greatest limiting factor to recovery operations. Colonial contractor CTEH is on site providing air monitoring services. They have set up an AreaRAE network and are also providing roving and escort services for personnel working inside the hot zone. All personnel entering the hot zone are required to have flame resistant clothing and an air monitoring escort. Action levels for benzene, VOCs and explosive vapors have been set. Work is frequently stopped due to excess benzene and LEL readings, slowing recovery. Today's highest VOC level is roughly half of yesterday's, peaking at 1564 ppm. The highest LEL levels also dropped to 95%. Benzene peaked at only 8ppm, allowing for much more work today than yesterday.

Colonial has managed to remove approximately 40,000 gallons of liquid from Pond 2. Of that volume 5,500 gallons of oil have been separated and 34,500 gallons of mixed oil/water remain. Colonial opened up a new pumping area on the north end of the pond where vapor levels were lower. Vac trucks continue to pump from this location. Colonial is currently planning on placing frac tanks in a new location to the north to cut down on transit time for those trucks to dump and return to pumping from the pond.

The diversions designed for Pond 3 are in place, which include a substantial underflow dam at the pond outfall. However, no oil sheening is visible along the shoreline with Pond 2. Colonial continues to monitor the pond and will notify UC if any petroleum is noted.

EPA/GST is incorporated into Operations and air monitoring. OSC Englert and 2 GST members observed operations overnight. Colonial increased its Safety Personnel and air monitoring staffing based on comments from EPA field personnel. OSC Williamson and 2 GST members spent today on site monitoring safety and progress. EPA/GST assisted Colonial with installation and planning of the Pond 3 augmentation and will continue to coordinate those efforts. Two GST members will man the overnight shift as FOSCRs.

OSC Berry reviewed several plans developed by the Planning Section, including Impacted Wildlife Management and Waste Management. There were several revisions needed in the Waste Management Plan. Approval is expected tomorrow.

## **PLANNED RESPONSE ACTIVITIES**

- Continue to participate in UC
- Monitor removal activities
- Monitor safety air monitoring
- Prepare for and coordinate a transition to a removal phase.

**Cc:** Webster, James[Webster.James@epa.gov]  
**To:** Rigger, Don[Rigger.Don@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Mon 9/12/2016 1:25:07 AM  
**Subject:** Fwd: SITREP #2 - Pelham Pipeline Release  
[image003.jpg](#)  
[ATT00001.htm](#)  
[Pelham Pipeline Spill SITREP 2 final 09112016.pdf](#)  
[ATT00002.htm](#)

Chuck Berry  
EPA OSC  
404.859.0970

Begin forwarded message:

**From:** "Eichinger, Kevin" <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>  
**Cc:** "Eichinger, Kevin" <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>  
**Subject:** SITREP #2 - Pelham Pipeline Release



**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Sun 9/11/2016 10:44:16 PM  
**Subject:** sitrep and figure  
Pelham Pipeline Spill SITREP 2 09112016 Draft.docx  
Situation MAP - CR91Event0911 0850.pdf

this is Webster-level detail. It probably needs some massaging before it gets to Franklin or HQ. Also, not sure if you want to put pdf in as an OLE or just a separate attachment.

edit thoroughly. You're one of the few I trust to not write like an illiterate buffoon.

Thanks,

Chuck Berry

On-Scene Coordinator

US Environmental Protection Agency

61 Forsyth Street, 11th Floor

Atlanta, GA 30303

404.562.8278 (Office)

404.859.0970 (Cell)

[berry.chuck@epa.gov](mailto:berry.chuck@epa.gov)



**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Sat 9/10/2016 9:48:32 PM  
**Subject:** Re: SITREP 1  
Pelham Pipeline Spill SITREP 1 draft 09102016.docx

please edit for clarity and syntax.

thanks again

Chuck Berry

On-Scene Coordinator

US Environmental Protection Agency

61 Forsyth Street, 11th Floor

Atlanta, GA 30303

404.562.8278 (Office)

404.859.0970 (Cell)

[berry.chuck@epa.gov](mailto:berry.chuck@epa.gov)

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**From:** Eichinger, Kevin  
**Sent:** Saturday, September 10, 2016 17:02  
**To:** Berry, Chuck; Williamson, Carter; Englert, Brian  
**Subject:** SITREP 1

Attached is a draft SITREP. I need some more info. Would like to get to Tony and Webster to review by 1730 EST for an 1800 EST distribution. Willing to take dictation over the phone.

Kevin

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4 | 61 Forsyth St SW | Atlanta, Georgia | 30303**

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: **404-562-8268** | cell: **678-897-3759** | [epaosc.org](http://epaossc.org)

**To:** Moore, Tony[moore.tony@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Sat 9/10/2016 9:47:56 PM  
**Subject:** Re: UPDATE - Special ERNS Report, Pelham Pipeline Spill

roger that. understood.

Chuck Berry

On-Scene Coordinator

US Environmental Protection Agency

61 Forsyth Street, 11th Floor

Atlanta, GA 30303

404.562.8278 (Office)

404.859.0970 (Cell)

[berry.chuck@epa.gov](mailto:berry.chuck@epa.gov)

---

**From:** Moore, Tony  
**Sent:** Saturday, September 10, 2016 17:19  
**To:** Berry, Chuck  
**Subject:** Re: UPDATE - Special ERNS Report, Pelham Pipeline Spill

No it's about a possible RRT issue:an in situ burn of any residual gas in the soil and the possible need for 311 order

Sent from my iPhone

On Sep 10, 2016, at 5:16 PM, Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)> wrote:

updating sitrep. can it wait? or is it about the sitrep?

Chuck Berry

On-Scene Coordinator

US Environmental Protection Agency

61 Forsyth Street, 11th Floor

Atlanta, GA 30303

404.562.8278 (Office)

404.859.0970 (Cell)

[berry.chuck@epa.gov](mailto:berry.chuck@epa.gov)

---

**From:** Moore, Tony

**Sent:** Saturday, September 10, 2016 17:08

**To:** Berry, Chuck

**Subject:** Re: UPDATE - Special ERNS Report, Pelham Pipeline Spill

When you find time call me I want to discuss two things with you

Sent from my iPhone

On Sep 10, 2016, at 4:43 PM, Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)> wrote:

Earlier reports were no since all notifications made. Let me know if different.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 10, 2016, at 15:23, Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

Do we need an RRT call?

Sent from my iPhone

Begin forwarded message:

**From:** "Eichinger, Kevin" <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>

**Date:** September 10, 2016 at 12:30:41 PM EDT

**Cc:** "Eichinger, Kevin" <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>

**Subject:** UPDATE - Special ERNS Report, Pelham Pipeline Spill

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**Special ERNS Report #2: Region 4, NRC  
1158584, Pelham Pipeline Spill, Pelham,**

# Shelby County, Alabama

US Environmental Protection Agency

Report as of September 10, 2016 1230 EDT

**Overview:** On September 9, 2016, at 1449 hours, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into the Peel Creek which is a tributary of the Cahaba River. The exact amount of the release is unknown; however, Colonial Pipeline initially estimated that between 1000 and 2000 gallons of gasoline has entered the pond. The spill volume has been updated from the original estimate. Unified Command now reports that at least 100,000 gallons of gasoline has been released.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The local fire department used firefighting foam to suppress the explosive vapors. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post has been established in Hoover, Alabama. Colonial Pipeline has confirmed that the impacted transmission line has been shut down. Environmental contractors for Colonial Pipeline are responding to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline. Rain is forecasted for Sunday and Monday September 11<sup>th</sup> and 12<sup>th</sup>.

**EPA Actions:** On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and he integrated into Unified Command. A Natural Resources Trustee consult was held with the Region 4 Department of Interior Representative. Threatened and endangered species in the area of the spill have been identified and communicated to the OSC. The spill location is in a very remote area and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location. At this time, site topography is preventing the gasoline from entering Peel Creek. Initial response efforts are focusing on responder health and safety and installing controls to prevent the spill from entering Peel Creek. OSC Englert and OSC Williamson have been deployed to assist within Unified Command. A Community Involvement

Coordinator (CIC) was requested and will assist in the Joint Information Center. Four United States Coast Guard (USCG) Gulf Strike Team (GST) Members were requested and will assist with health and safety oversight.

**Media Interest:** Local only at this time .

**National Response Center: 1-800-424-8802**  
**Phone Duty E-Mail: R4DUTYOSC@EPA.GOV**  
**Phone Duty MOBILE #: 404-242-3393**

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## ATL 2016 TORNADO EXERCISE

### SITUATION REPORT

1130 March 8, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into the Peel Creek which is a tributary of the Cahaba River. The exact amount of the release was unknown; however, Colonial Pipeline initially estimated that between 1000 and 2000 gallons of gasoline entered the pond (the spill volume has been updated to 100,000 gallons in the pond – See "Current Operations" for more information). The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location.

Previous reports of fire-fighting foam use were erroneous; there is insufficient access to allow fire equipment to the pond. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post has been established in Hoover, Alabama. The spill location is in a very remote area, and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location.

At this time, site topography is preventing the gasoline from entering Peel Creek. The pond appears to be a former borrow pit, and only overflows after substantial rain. While this makes containment much easier, it also serves to concentrate the explosive and toxic vapors. Initial response efforts are focusing on responder health and safety and installing controls to prevent downstream migration if a sufficient rain event were to occur.

Colonial Pipeline has confirmed that the impacted transmission line has been shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline. There is an increased risk of rain for Sunday and Monday September 11<sup>th</sup> and 12<sup>th</sup>.

Threatened and endangered species in the area of the spill have been identified and communicated to the OSC.

#### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and has integrated into Unified Command. A Natural Resources Trustee consult was held with the Region 4 Department of Interior Representative. OSC Englert and OSC Williamson have been deployed to assist within Unified Command as have 4 US Coast Guard Gulf Strike Team members. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

Current number of EPA Personnel Assigned: 3

Current number of United States Coast Guard Gulf Strike Team Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 EDT daily.

### **CURRENT OPERATIONS**

- Site access remains the largest obstacle to remediation. Not only from the poor roads and remote location, but the inability of personnel to approach the pond due to high explosive atmosphere readings and toxic vapors. Despite the use of respiratory protection, the potential for a catastrophic fire limits response efforts.
- Initial volume estimates were not based on information from the pipeline system: the system noted no pressure loss. The last time the property owners observed the impacted lake was 2 weeks ago, which means that a slow leak may have been present for a long period of time resulting in little to no appreciable volume loss in any instantaneous measurement.
- The initial volume reported was based solely on visual estimates of first responders' impressions of the pond visually. Colonial made an estimated volume update last on 9/9 based on better information from the field. However, this was still unsupported by hard data. Only after a rather risky operation performed first thing this morning to physically measure the thickness of the product on the pond was an estimate possible. Initial thickness estimates of several feet were inaccurate also; the total thickness on the pond is estimated to be 3.25 inches.
- Colonial has managed to briefly operate a pump and removed an estimated 16,000 gallons of liquid from the pond. However, if the pond is estimated to conservatively be 3 feet deep, there is over a million gallons of liquid in the pond. Colonial is currently devising plans to deal with this volume on site. Temporary storage tanks have been mobilized to the site, but their capacity is currently about 250,000 gallons. Colonial has off-site storage available also, but transportation out of the remote area will complicate and delay these efforts.
- Colonial's pumping is currently on hold as benzene levels and LEL readings have risen too high around the vac truck to safely operate the equipment.
- EPA/GST is currently incorporating into Operations and air monitoring. If removal operations start back up overnight, EPA will monitor the safety and air monitoring activities.

### **PLANNED RESPONSE ACTIVITIES**

- Continue to participate in UC
- Monitor removal activities
- Monitor safety air monitoring
- Review and monitor the contingency booms and diversion activities in preparation for future rain events. It should be noted that, based on the best available information now (which is limited due to terrain, vapors, and thick forest) there is little expectation for overtopping of the pond due to

the small amounts of rain expected, based on NWS predictions.



**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Sat 9/10/2016 9:09:39 PM  
**Subject:** Re: SITREP 1

You're pretty awesome on PD. Editing it now.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 10, 2016, at 16:02, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

Attached is a draft SITREP. I need some more info. Would like to get to Tony and Webster to review by 1730 EST for an 1800 EST distribution. Willing to take dictation over the phone.

Kevin

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | [epaosc.org](http://epaosc.org)

<Pelham\_Pipeline\_Spill\_SITREP\_1\_draft\_09102016.docx>



**To:** Webster, James[Webster.James@epa.gov]  
**Cc:** Andrew, Gary[Andrew.Gary@epa.gov]; Moore, Tony[moore.tony@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Sat 9/10/2016 8:43:37 PM  
**Subject:** Re: UPDATE - Special ERNS Report, Pelham Pipeline Spill

Earlier reports were no since all notifications made. Let me know if different.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 10, 2016, at 15:23, Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

Do we need an RRT call?

Sent from my iPhone

Begin forwarded message:

**From:** "Eichinger, Kevin" <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>  
**Date:** September 10, 2016 at 12:30:41 PM EDT  
**Cc:** "Eichinger, Kevin" <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>  
**Subject:** UPDATE - Special ERNS Report, Pelham Pipeline Spill

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**Special ERNS Report #2: Region 4, NRC 1158584,  
Pelham Pipeline Spill, Pelham, Shelby County,  
Alabama**

**US Environmental Protection Agency**

**Report as of September 10, 2016 1230 EDT**

**Overview:** On September 9, 2016, at 1449 hours, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into the Peel Creek which is a tributary of the Cahaba River. The exact amount of the release is unknown; however, Colonial Pipeline initially estimated that between 1000 and 2000 gallons of gasoline has entered the pond. The spill volume has been updated from the original estimate. Unified Command now reports that at least 100,000 gallons of gasoline has been released.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The local fire department used firefighting foam to suppress the explosive vapors. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post has been established in Hoover, Alabama. Colonial Pipeline has confirmed that the impacted transmission line has been shut down. Environmental contractors for Colonial Pipeline are responding to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline. Rain is forecasted for Sunday and Monday September 11<sup>th</sup> and 12<sup>th</sup>.

**EPA Actions:** On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and he integrated into Unified Command. A Natural Resources Trustee consult was held with the Region 4 Department of Interior Representative. Threatened and endangered species in the area of the spill have been identified and communicated to the OSC. The spill location is in a very remote area and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location. At this time, site topography is preventing the gasoline from entering Peel Creek. Initial response efforts are focusing on responder health and safety and installing controls to prevent the spill from entering Peel Creek. OSC Englert and OSC Williamson have been deployed to assist within Unified Command. A Community Involvement Coordinator (CIC) was requested and will assist in the Joint Information Center. Four United States Coast Guard (USCG) Gulf Strike Team (GST) Members were requested and will assist with health and safety oversight.

**Media Interest:** Local only at this time .

**National Response Center: 1-800-424-8802**  
**Phone Duty E-Mail: R4DUTYOSC@EPA.GOV**  
**Phone Duty MOBILE #: 404-242-3393**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**



**To:** Moore, Tony[moore.tony@epa.gov]  
**Cc:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]; Eoc, Epahq[Eoc.Epahq@epa.gov]; Webster, James[Webster.James@epa.gov]; Andrew, Gary[Andrew.Gary@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Sat 9/10/2016 3:39:32 PM  
**Subject:** Re: EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584)

And they just updated again.

100,000 gal

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 10, 2016, at 10:34, Moore, Tony <moore.tony@epa.gov> wrote:

Thanks Kevin, still working the CIC

Sent from my iPhone

On Sep 10, 2016, at 12:43 AM, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

Colonial just updated the volumes spilled (see NRC 1158584). The new volume spilled in 42000 gallons. I have mobilized, at the OSCs request, the Gulf Strike Team to assist. We will meet/talk in the morning to discuss the need/plans for an RRT call.

Kevin

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | epaosc.org

On Sep 9, 2016, at 19:38, Eoc, Epahq <Eoc.Epahq@epa.gov> wrote:

**This report is being sent as a bcc to prevent accidental Reply to All messages.**

UNCLASSIFIED//FOR OFFICIAL USE ONLY

<pastedImage.png>

## **EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584)**

### **US Environmental Protection Agency**

**Report as of 1935 ET on 09/09/2016**

**Overview:** On September 9<sup>th</sup> at 1449 ET, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek, a tributary of the Cahaba River. The exact amount of the spill is unknown at this time, but Colonial Pipeline estimates that between 1000-2000 gallons of gasoline has entered the pond. Colonial Pipeline has confirmed that the impacted transmission line has been shut down and its environmental contractors are responding to conduct air monitoring and remediation activities. The spill location is in a very remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location. At this time, a beaver dam is preventing the gasoline from entering Peel Creek. Initial response efforts are focusing on responder health and safety and installing controls to prevent the spill from entering Peel Creek.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The local fire

department used firefighting foam to suppress the explosive vapors. The Shelby County Emergency Management Association (EMA) responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State- and County-level agencies. An Incident Command post was established in Hoover, Alabama.

**EPA Actions:** A Region 4 OSC was deployed to assist with the response and has integrated into Unified Command. A Natural Resources Trustee consultation was held with a Region 4 Department of Interior representative. Threatened and endangered species in the area of the spill have been identified.

**Media Interest:** None

**The HQ EOC will continue to monitor and provide updates as needed.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

Steve Ridenour, Senior Watch Officer  
U.S. Environmental Protection Agency  
Headquarters Emergency Operations Center  
1200 Pennsylvania Ave  
Washington, DC 20004  
202-564-3850  
<mailto:eoc.epahq@epa.gov>

10/10/10

**To:**  
**From:** Berry, Chuck  
**Sent:** Sat 9/10/2016 12:32:53 PM  
**Subject:** Fwd: NRC#1158584

Exemption 6 Personal Privacy

Chuck Berry  
EPA OSC  
404.859.0970

Begin forwarded message:

**From:** "Eichinger, Kevin" <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>  
**Date:** September 9, 2016 at 17:36:25 CDT  
**To:** "Berry, Chuck" <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>  
**Subject:** FW: FW: NRC#1158584

**From:** Stanley, Joyce [[mailto:joyce\\_stanley@ios.doi.gov](mailto:joyce_stanley@ios.doi.gov)]  
**Sent:** Friday, September 09, 2016 3:31 PM  
**To:** Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>  
**Subject:** Re: FW: NRC#1158584

Kevin,

A list of aquatic T&E's in the Cahaba River could include: cylindrical lioplax, flat pebblesnail, round rocksnail, fine-lined pocketbook, southern clubshell, triangular kidneyshell, goldline darter, and Cahaba shiner.

**Joyce A. Stanley, MPA**

**Regional Environmental Protection Specialist**

**US Department of the Interior**

**Office of Environmental Policy and Compliance**

**(404) 331-4524 - Office**

**(404) 331-1736 - Fax**

**· Mobile**

Exemption 6 Personal Privacy

**joyce\_stanley@ios.doi.gov**

**<http://www.doi.gov/oepc/atlanta.html>**

On Fri, Sep 9, 2016 at 3:26 PM, Stanley, Joyce <[joyce\\_stanley@ios.doi.gov](mailto:joyce_stanley@ios.doi.gov)> wrote:

Hello Kevin,

The coordinates are adjacent to Peel Creek, a tributary of the Cahaba River (less than a mile away). Do we have information on the volume of the spill and if the spill is continuing? We would be very concerned if it escapes into the Peel Creek and into the Cahaba River. We have multiple aquatic T&E's in the Cahaba River. Please let me know when you find out more information.

Thanks,

**Joyce A. Stanley, MPA**

**Regional Environmental Protection Specialist**

**US Department of the Interior**

**Office of Environmental Policy and Compliance**

**(404) 331-4524 - Office**

**(404) 331-1736 - Fax**

**Mobile**

**Exemption 6 Personal Privacy**

**joyce\_stanley@ios.doi.gov**

**<http://www.doi.gov/oepc/atlanta.html>**

On Fri, Sep 9, 2016 at 2:40 PM, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

Per our phone conversation. The GPS coordinates are 33.24222, -86.91833.

Thanks,  
Kevin

-----Original Message-----

From: [HQS-PF-flidr-NRC@uscg.mil](mailto:HQS-PF-flidr-NRC@uscg.mil) [mailto:[HQS-PF-flidr-NRC@uscg.mil](mailto:HQS-PF-flidr-NRC@uscg.mil)]

Sent: Friday, September 09, 2016 2:08 PM

To: R4DutyOSC <[R4DutyOSC@epa.gov](mailto:R4DutyOSC@epa.gov)>

Subject: NRC#1158584

NATIONAL RESPONSE CENTER 1-800-424-8802

\*\*\*GOVERNMENT USE ONLY\*\*\*GOVERNMENT USE ONLY\*\*\*

Information released to a third party shall comply with any  
applicable federal and/or state Freedom of Information and Privacy Laws

Incident Report # 1158584

#### INCIDENT DESCRIPTION

\*Report taken by: YN2 RUDY GANTHER at 13:59 on 09-SEP-16

Incident Type: FIXED

Incident Cause: UNKNOWN

Affected Area: POND

Incident was discovered on 09-SEP-16 at 11:31 local incident time.

Affected Medium: WATER POND

---

#### REPORTING PARTY

Name: BROCK MOBLEY

Organization: COLONIAL PIPELINE COMPANY

Address: 1185 SANCTUARY PARKWAY

ALPHARETTA, GA 30004

Email Address: [bmoble@colpipe.com](mailto:bmoble@colpipe.com)

PRIMARY Phone: (678)7622263

Type of Organization: PRIVATE ENTERPRISE

---

#### SUSPECTED RESPONSIBLE PARTY

Name: BROCK MOBLEY

Organization: COLONIAL PIPELINE COMPANY

Address: 1185 SANCTUARY PARKWAY

ALPHARETTA, GA 30004

PRIMARY Phone: (678)7622263

---

#### INCIDENT LOCATION

SEE LAT/LONG County: SHELBY

COUNTY 91  
City: PELHAM State: AL  
Latitude: 33° 14' 32" N  
Longitude: 086° 55' 06" W

---

RELEASED MATERIAL(S)

CHRIS Code: GAS Official Material Name: GASOLINE: AUTOMOTIVE  
(UNLEADED)

Also Known As:

Qty Released: 0 UNKNOWN AMOUNT Qty in Water: 0 UNKNOWN  
AMOUNT

---

DESCRIPTION OF INCIDENT

CALLER IS REPORTING THAT GASOLINE FROM AN UNKNOWN SOURCE  
WAS FOUND

AT A LOCATION NEAR WELL SITES. THE GASOLINE CRATED A SHEEN  
ON A POND

IN THAT AREA. THE INCIDENT IS BEING INVESTIGATED.

---

SENSITIVE INFORMATION

ON SCENE POINT OF CONTACT- JOHN WYATT, 404-713-9270

---

INCIDENT DETAILS

Package: N/A

Building ID:

Type of Fixed Object: OTHER

Power Generating Facility: NO

Generating Capacity:

Type of Fuel:

NPDES:

NPDES Compliance: UNKNOWN

---WATER INFORMATION---

Body of Water: POND

Tributary of:

Nearest River Mile Marker:

Water Supply Contaminated: UNKNOWN

---

IMPACT

Fire Involved: NO Fire Extinguished: UNKNOWN

INJURIES: NO Hospitalized: Empl/Crew: Passenger:  
FATALITIES: NO Empl/Crew: Passenger: Occupant:  
EVACUATIONS:NO Who Evacuated: Radius/Area:

Damages: NO

Closure Type	Description of Closure	Hours	Direction of Closed	Closure
N				
Air:				
N			Major	
Road:			Artery:N	
N				
Waterway:				
N				
Track:				

Environmental Impact: NO

Media Interest: UNKNOWN Community Impact due to Material:

---

#### REMEDIAL ACTIONS

INVESTIGATION UNDERWAY.

Release Secured: UNKNOWN

Release Rate:

Estimated Release Duration:

---

#### WEATHER

Weather: CLEAR, °F

---

#### ADDITIONAL AGENCIES NOTIFIED

Federal:

State/Local:

State/Local On Scene:

State Agency Number:

---

#### NOTIFICATIONS BY NRC

ALABAMA DEPT OF ENV MGMT (MAIN OFFICE)

09-SEP-16 14:07 (334)3944382

ALABAMA DEPT OF ENV MGMT (BIRMINGHAM FIELD OFFICE)

09-SEP-16 14:07 (334)3944382

AL U.S. ATTORNEY'S OFFICE (COMMAND CENTER)  
09-SEP-16 14:07 (205)2442188  
CENTERS FOR DISEASE CONTROL (GRASP)  
09-SEP-16 14:07 (770)4887100  
DHS NOC (NOC)  
09-SEP-16 14:07 (202)2828114  
DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE)  
09-SEP-16 14:07 (202)3661863  
U.S. EPA IV (MAIN OFFICE)  
(404)6504955  
U.S. EPA IV (DUTY OSC)  
09-SEP-16 14:07 (404)6504955  
JFO-LA (COMMAND CENTER)  
09-SEP-16 14:07 (225)3366513  
NATIONAL INFRASTRUCTURE COORD CTR (MAIN OFFICE)  
09-SEP-16 14:07 (202)2829201  
NOAA RPTS FOR AL (MAIN OFFICE)  
09-SEP-16 14:07 (206)5264911  
NATIONAL RESPONSE CENTER HQ (AUTOMATIC REPORTS)  
09-SEP-16 14:07 (202)2671136  
NTSB PIPELINE (MAIN OFFICE)  
09-SEP-16 14:07 (202)3146293  
DOI FOR REGION 4 (MAIN OFFICE)  
09-SEP-16 14:07 (404)3314524  
REPORTING PARTY (RP SUBMITTER)  
09-SEP-16 14:07  
ALABAMA EMA (MAIN OFFICE)  
09-SEP-16 14:07 (205)2802312  
TSA OFFICE OF SECURITY OPERATIONS (SURFACE COMPLIANCE  
BRANCH SE REGION)  
09-SEP-16 14:07 (904)9804075  
USCG DISTRICT 8 (MAIN OFFICE)  
09-SEP-16 14:07 (504)5896225  
USCG DISTRICT 8 (PLANNING)  
09-SEP-16 14:07 (504)6712080

---

ADDITIONAL INFORMATION

---

\*\*\* END INCIDENT REPORT #1158584 \*\*\*

Report any problems by calling 1-800-424-8802  
PLEASE VISIT OUR WEB SITE AT <http://www.nrc.uscg.mil>

**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Sat 9/10/2016 4:40:40 AM  
**Subject:** Re: NRC#1158628

Yes it does. But lack of interstate effect will make it short.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 9, 2016, at 23:37, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

Let's talk first thing in the morning. This new volume does warrant a RRT call.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | [61 Forsyth St SW](#) | [Atlanta, Georgia](#) | [30303](#)

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: [404-562-8268](tel:404-562-8268) | cell: [678-897-3759](tel:678-897-3759) | [epaosc.org](http://epaosc.org)

On Sep 10, 2016, at 00:35, Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)> wrote:

The new ic told me this as I was leaving the ic. Based on measurements of gas in the pond.

Chuck Berry  
EPA OSC  
404.859.0970

Begin forwarded message:

**Resent-From:** <[R4DutyOSC@epa.gov](mailto:R4DutyOSC@epa.gov)>  
**From:** "[HQS-PF-flidr-NRC@uscg.mil](mailto:HQS-PF-flidr-NRC@uscg.mil)" <[HQS-PF-flidr-NRC@uscg.mil](mailto:HQS-PF-flidr-NRC@uscg.mil)>  
**Date:** September 9, 2016 at 23:27:09 CDT  
**To:** R4DutyOSC <[R4DutyOSC@epa.gov](mailto:R4DutyOSC@epa.gov)>  
**Subject:** NRC#1158628

NATIONAL RESPONSE CENTER 1-800-424-8802

\*\*\*GOVERNMENT USE ONLY\*\*\*GOVERNMENT USE ONLY\*\*\*

Information released to a third party shall comply with any  
applicable federal and/or state Freedom of Information and Privacy Laws

Incident Report # 1158628

INCIDENT DESCRIPTION

\*Report taken by: CIV ANTONAY GREER at 00:13 on 10-SEP-16  
Incident Type: PIPELINE  
Incident Cause: UNKNOWN  
Affected Area: POND  
Incident was discovered on 09-SEP-16 at 11:31 local incident time.  
Affected Medium: WATER / POND

---

REPORTING PARTY

Name: CONRAD SANDERS  
Organization: COLONIAL PIPELINE COMPANY  
Address: 1185 SANCTUARY PARKWAY  
ALPHARETTA, GA 30004  
Email Address: [csanders@colpipe.com](mailto:csanders@colpipe.com)

PRIMARY Phone: (678)7622263  
Type of Organization: PRIVATE ENTERPRISE

---

SUSPECTED RESPONSIBLE PARTY

Name: N/A  
Organization: COLONIAL PIPELINE COMPANY  
Address: 1185 SANCTUARY PARKWAY  
ALPHARETTA, GA 30004  
PRIMARY Phone: (678)7622263

---

INCIDENT LOCATION

County: SHELBY  
City: PELHAM State: AL  
Latitude: 33° 14' 32" N  
Longitude: 086° 55' 06" W  
COUNTY ROAD 91 (SEE POSITION)

---

RELEASED MATERIAL(S)

CHRIS Code: GAS Official Material Name: GASOLINE: AUTOMOTIVE  
(UNLEADED)  
Also Known As:  
Qty Released: 1000 BARREL(S) Qty in Water: 1000 BARREL(S)

---

DESCRIPTION OF INCIDENT

\*\*\* THIS IS AN UPDATED REPORT, REFERENCE NRC REPORT # 1158584 \*\*\*

\* AMOUNT OF GASOLINE RELEASED HAS INCREASED FROM 0 (UNKNOWN AMOUNT)  
TO 1,000 BARRELS.  
\* SUSPECTED SOURCE IS AN UNDERGROUND 36" TRANSMISSION PIPELINE.  
\* REMEDIATION UNDERWAY.

INITIAL REPORT:

CALLER IS REPORTING THAT GASOLINE FROM AN UNKNOWN SOURCE WAS FOUND

AT A LOCATION NEAR WELL SITES. THE GASOLINE CREATED A SHEEN ON A POND IN THAT AREA. THE INCIDENT IS BEING INVESTIGATED.

---

SENSITIVE INFORMATION

---

INCIDENT DETAILS

Pipeline Type: TRANSMISSION

DOT Regulated: YES

Pipeline Above/Below Ground: BELOW

Exposed or Under Water: NO

Pipeline Covered: UNKNOWN

---SHEEN INFORMATION---

Sheen Color: UNKNOWN

Sheen Odor Description:

Sheen Travel Direction:

Sheen Size Length:

Sheen Size Width:

---WATER INFORMATION---

Body of Water: POND

Tributary of:

Nearest River Mile Marker:

Water Supply Contaminated: UNKNOWN

---

IMPACT

Fire Involved: NO Fire Extinguished: UNKNOWN

INJURIES: NO Hospitalized: Empl/Crew: Passenger:

FATALITIES: NO Empl/Crew: Passenger: Occupant:

EVACUATIONS: NO Who Evacuated: Radius/Area:

Damages: NO

	Hours	Direction of
Closure Type Description of Closure	Closed	Closure

Air: N  
Road: N Major Artery:N  
Waterway: N  
Track: N

Environmental Impact: UNKNOWN  
Media Interest: UNKNOWN Community Impact due to Material:

---

#### REMEDIAL ACTIONS

\* LINE HAS BEEN SHUT-DOWN.  
\* PRODUCT HAS BEEN CONTAINED AND CLEAN-UP IS UNDERWAY.  
Release Secured: YES  
Release Rate:  
Estimated Release Duration:

---

#### WEATHER

---

#### ADDITIONAL AGENCIES NOTIFIED

Federal:  
State/Local:  
State/Local On Scene: EPA  
State Agency Number:

---

#### NOTIFICATIONS BY NRC

ALABAMA DEPT OF ENV MGMT (MAIN OFFICE)  
10-SEP-16 00:26 (334)3944382  
ALABAMA DEPT OF ENV MGMT (BIRMINGHAM FIELD OFFICE)  
10-SEP-16 00:26 (334)3944382  
AL U.S. ATTORNEY'S OFFICE (COMMAND CENTER)  
10-SEP-16 00:26 (205)2442188  
CENTERS FOR DISEASE CONTROL (GRASP)  
10-SEP-16 00:26 (770)4887100  
DHS NOC (NOC)  
10-SEP-16 00:26 (202)2828114  
DHS PROTECTIVE SECURITY ADVISOR (PSA DESK)  
10-SEP-16 00:26 (703)2355724  
DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE)  
10-SEP-16 00:26 (202)3661863  
U.S. EPA IV (MAIN OFFICE)  
(404)6504955

U.S. EPA IV (DUTY OSC)  
10-SEP-16 00:26 (404)6504955  
GULF STRIKE TEAM (MAIN OFFICE)  
10-SEP-16 00:26 (251)4416601  
JFO-LA (COMMAND CENTER)  
10-SEP-16 00:26 (225)3366513  
NATIONAL INFRASTRUCTURE COORD CTR (MAIN OFFICE)  
10-SEP-16 00:26 (202)2829201  
NOAA RPTS FOR AL (MAIN OFFICE)  
10-SEP-16 00:26 (206)5264911  
NATIONAL RESPONSE CENTER HQ (AUTOMATIC REPORTS)  
10-SEP-16 00:26 (202)2671136  
NRC COMMAND DUTY OFFICER (MAIN OFFICE)  
(202)2672100  
NTSB PIPELINE (MAIN OFFICE)  
10-SEP-16 00:26 (202)3146293  
PIPELINE & HAZMAT SAFETY ADMIN (OFFICE OF PIPELINE SAFETY (AUTO))  
10-SEP-16 00:26 (202)3660568  
DOI FOR REGION 4 (MAIN OFFICE)  
10-SEP-16 00:26 (404)3314524  
REPORTING PARTY (RP SUBMITTER)  
10-SEP-16 00:26  
ALABAMA EMA (MAIN OFFICE)  
10-SEP-16 00:26 (205)2802312  
TSA OFFICE OF SECURITY OPERATIONS (SURFACE COMPLIANCE BRANCH SE  
REGION)  
10-SEP-16 00:26 (904)9804075  
USCG DISTRICT 8 (MAIN OFFICE)  
10-SEP-16 00:26 (504)5896225  
USCG DISTRICT 8 (PLANNING)  
10-SEP-16 00:26 (504)6712080

---

ADDITIONAL INFORMATION

---

\*\*\* END INCIDENT REPORT #1158628 \*\*\*

Report any problems by calling 1-800-424-8802  
PLEASE VISIT OUR WEB SITE AT <http://www.nrc.uscg.mil>



**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Sat 9/10/2016 4:35:32 AM  
**Subject:** Fwd: NRC#1158628

The new ic told me this as I was leaving the ic. Based on measurements of gas in the pond.

Chuck Berry  
EPA OSC  
404.859.0970

Begin forwarded message:

**Resent-From:** <R4DutyOSC@epa.gov>  
**From:** "HQS-PF-flidr-NRC@uscg.mil" <HQS-PF-flidr-NRC@uscg.mil>  
**Date:** September 9, 2016 at 23:27:09 CDT  
**To:** R4DutyOSC <R4DutyOSC@epa.gov>  
**Subject:** NRC#1158628

NATIONAL RESPONSE CENTER 1-800-424-8802  
\*\*\*GOVERNMENT USE ONLY\*\*\*GOVERNMENT USE ONLY\*\*\*  
Information released to a third party shall comply with any  
applicable federal and/or state Freedom of Information and Privacy Laws

Incident Report # 1158628

#### INCIDENT DESCRIPTION

\*Report taken by: CIV ANTONAY GREER at 00:13 on 10-SEP-16  
Incident Type: PIPELINE  
Incident Cause: UNKNOWN  
Affected Area: POND  
Incident was discovered on 09-SEP-16 at 11:31 local incident time.  
Affected Medium: WATER / POND

---

#### REPORTING PARTY

Name: CONRAD SANDERS  
Organization: COLONIAL PIPELINE COMPANY  
Address: 1185 SANCTUARY PARKWAY  
ALPHARETTA, GA 30004  
Email Address: [csanders@colpipe.com](mailto:csanders@colpipe.com)

PRIMARY Phone: (678)7622263  
Type of Organization: PRIVATE ENTERPRISE

---

#### SUSPECTED RESPONSIBLE PARTY

Name: N/A

Organization: COLONIAL PIPELINE COMPANY  
Address: 1185 SANCTUARY PARKWAY  
ALPHARETTA, GA 30004  
PRIMARY Phone: (678)7622263

---

INCIDENT LOCATION

County: SHELBY  
City: PELHAM State: AL  
Latitude: 33° 14' 32" N  
Longitude: 086° 55' 06" W  
COUNTY ROAD 91 (SEE POSITION)

---

RELEASED MATERIAL(S)

CHRIS Code: GAS Official Material Name: GASOLINE: AUTOMOTIVE (UNLEADED)  
Also Known As:  
Qty Released: 1000 BARREL(S) Qty in Water: 1000 BARREL(S)

---

DESCRIPTION OF INCIDENT

\*\*\* THIS IS AN UPDATED REPORT, REFERENCE NRC REPORT # 1158584 \*\*\*

- \* AMOUNT OF GASOLINE RELEASED HAS INCREASED FROM 0 (UNKNOWN AMOUNT) TO 1,000 BARRELS.
- \* SUSPECTED SOURCE IS AN UNDERGROUND 36" TRANSMISSION PIPELINE.
- \* REMEDIATION UNDERWAY.

INITIAL REPORT:

CALLER IS REPORTING THAT GASOLINE FROM AN UNKNOWN SOURCE WAS FOUND

AT A LOCATION NEAR WELL SITES. THE GASOLINE CREATED A SHEEN ON A POND IN THAT AREA. THE INCIDENT IS BEING INVESTIGATED.

---

SENSITIVE INFORMATION

---

INCIDENT DETAILS

Pipeline Type: TRANSMISSION  
DOT Regulated: YES  
Pipeline Above/Below Ground: BELOW  
Exposed or Under Water: NO  
Pipeline Covered: UNKNOWN  
---SHEEN INFORMATION---  
Sheen Color: UNKNOWN

Sheen Odor Description:

Sheen Travel Direction:

Sheen Size Length:

Sheen Size Width:

---WATER INFORMATION---

Body of Water: POND

Tributary of:

Nearest River Mile Marker:

Water Supply Contaminated: UNKNOWN

---

#### IMPACT

Fire Involved: NO Fire Extinguished: UNKNOWN

INJURIES: NO Hospitalized: Empl/Crew: Passenger:

FATALITIES: NO Empl/Crew: Passenger: Occupant:

EVACUATIONS:NO Who Evacuated: Radius/Area:

Damages: NO

	Hours	Direction of
Closure Type Description of Closure	Closed	Closure

N

Air:

N

Major

Road:

Artery:N

N

Waterway:

N

Track:

Environmental Impact: UNKNOWN

Media Interest: UNKNOWN Community Impact due to Material:

---

#### REMEDIAL ACTIONS

\* LINE HAS BEEN SHUT-DOWN.

\* PRODUCT HAS BEEN CONTAINED AND CLEAN-UP IS UNDERWAY.

Release Secured: YES

Release Rate:

Estimated Release Duration:

---

#### WEATHER

---

#### ADDITIONAL AGENCIES NOTIFIED

Federal:

State/Local:  
State/Local On Scene: EPA  
State Agency Number:

---

NOTIFICATIONS BY NRC

ALABAMA DEPT OF ENV MGMT (MAIN OFFICE)  
10-SEP-16 00:26 (334)3944382  
ALABAMA DEPT OF ENV MGMT (BIRMINGHAM FIELD OFFICE)  
10-SEP-16 00:26 (334)3944382  
AL U.S. ATTORNEY'S OFFICE (COMMAND CENTER)  
10-SEP-16 00:26 (205)2442188  
CENTERS FOR DISEASE CONTROL (GRASP)  
10-SEP-16 00:26 (770)4887100  
DHS NOC (NOC)  
10-SEP-16 00:26 (202)2828114  
DHS PROTECTIVE SECURITY ADVISOR (PSA DESK)  
10-SEP-16 00:26 (703)2355724  
DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE)  
10-SEP-16 00:26 (202)3661863  
U.S. EPA IV (MAIN OFFICE)  
(404)6504955  
U.S. EPA IV (DUTY OSC)  
10-SEP-16 00:26 (404)6504955  
GULF STRIKE TEAM (MAIN OFFICE)  
10-SEP-16 00:26 (251)4416601  
JFO-LA (COMMAND CENTER)  
10-SEP-16 00:26 (225)3366513  
NATIONAL INFRASTRUCTURE COORD CTR (MAIN OFFICE)  
10-SEP-16 00:26 (202)2829201  
NOAA RPTS FOR AL (MAIN OFFICE)  
10-SEP-16 00:26 (206)5264911  
NATIONAL RESPONSE CENTER HQ (AUTOMATIC REPORTS)  
10-SEP-16 00:26 (202)2671136  
NRC COMMAND DUTY OFFICER (MAIN OFFICE)  
(202)2672100  
NTSB PIPELINE (MAIN OFFICE)  
10-SEP-16 00:26 (202)3146293  
PIPELINE & HAZMAT SAFETY ADMIN (OFFICE OF PIPELINE SAFETY (AUTO))  
10-SEP-16 00:26 (202)3660568  
DOI FOR REGION 4 (MAIN OFFICE)  
10-SEP-16 00:26 (404)3314524  
REPORTING PARTY (RP SUBMITTER)  
10-SEP-16 00:26  
ALABAMA EMA (MAIN OFFICE)  
10-SEP-16 00:26 (205)2802312  
TSA OFFICE OF SECURITY OPERATIONS (SURFACE COMPLIANCE BRANCH SE

REGION)

10-SEP-16 00:26 (904)9804075

USCG DISTRICT 8 (MAIN OFFICE)

10-SEP-16 00:26 (504)5896225

USCG DISTRICT 8 (PLANNING)

10-SEP-16 00:26 (504)6712080

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ADDITIONAL INFORMATION

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\*\*\* END INCIDENT REPORT #1158628 \*\*\*

Report any problems by calling 1-800-424-8802

PLEASE VISIT OUR WEB SITE AT <http://www.nrc.uscg.mil>



**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**Cc:** Lincoln, Larry[Lincoln.Larry@epa.gov]; Harris-Young, Dawn[Harris-Young.Dawn@epa.gov]; Pinkney, James[Pinkney.James@epa.gov]; Moore, Tony[moore.tony@epa.gov]  
**From:** Berry, Chuck  
**Sent:** Sat 9/10/2016 4:34:31 AM  
**Subject:** Re: Special ERNS Report, Pelham Pipeline Spill

Just on the off chance that anyone gets this tonight, please don't call. I'm packing in for the night. No urgency.

I'll be in an ops briefing at 0700-0800 tomorrow. I'm free after that.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 9, 2016, at 23:17, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

Larry et al,

Local news is interested in this response. Can you please give Chuck a call at 404-859-0970.

Thanks,

Kevin

**From:** Eichinger, Kevin  
**Sent:** Friday, September 09, 2016 7:03 PM  
**Cc:** Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>; Eoc, Epahq <[Eoc.Epahq@epa.gov](mailto:Eoc.Epahq@epa.gov)>  
**Subject:** Special ERNS Report, Pelham Pipeline Spill

UNCLASSIFIED//FOR OFFICIAL USE ONLY

# **Special ERNS Report: Region 4, NRC 1158584, Pelham Pipeline Spill, Pelham, Shelby County, Alabama**

**US Environmental Protection Agency**

**Report as of September 9, 2016 1900 EDT**

**Overview:** On September 9, 2016, at 1449 hours, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into the Peel Creek which is a tributary of the Cahaba River. The exact amount of the release is unknown; however, Colonial Pipeline is estimating that between 1000 and 2000 gallons of gasoline has entered the pond.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The local fire department used firefighting foam to suppress the explosive vapors. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post has been established in Hoover, Alabama. Colonial Pipeline has confirmed that the impacted transmission line has been shut down. Environmental contractors for Colonial Pipeline are responding to conduct air monitoring and remediation activities.

**EPA Actions:** On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and he integrated into Unified Command. A Natural Resources Trustee consult was held with the Region 4 Department of Interior Representative. Threatened and endangered species in the area of the spill have been identified and communicated to the OSC. The spill location is in a very remote area and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location. At this time, a beaver dam is preventing the gasoline from entering Peel Creek. Initial response efforts are focusing on responder health and safety and installing controls to prevent the spill from entering Peel Creek.

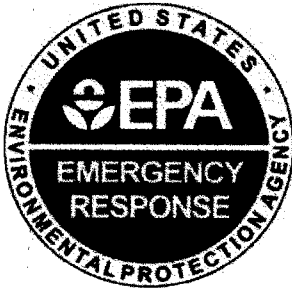
**Media Interest: None.**

**National Response Center: 1-800-424-8802**  
**Phone Duty E-Mail: R4DUTYOSC@EPA.GOV**  
**Phone Duty MOBILE #: 404-242-3393**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**



**Cc:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Harper, Greg  
**Sent:** Sun 9/18/2016 12:44:41 AM  
**Subject:** REISSUED - SITREP #8 - Pelham Pipeline Spill with Attachments  
Pelham Pipeline Spill SITREP 8 09172016.pdf



## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #8**

1800 CDT, September 17, 2016

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-  
-

#### **INCIDENT SUMMARY**

On September 9, 2016, at 1359 hours CDT, Colonial Pipeline Company (CPC) reported a gasoline spill from a 36" below ground pipeline to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River).

CPC initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond. The spill volume has since been updated to between 6,000 barrels [bbls] and 8,000 bbls (252,000 gallons – 336,000 gallons).

Alabama Department of Environmental Management (ADEM) and Environmental Protection Agency (EPA) have integrated into Unified Command and are coordinating with State and County Agencies. An Incident Command Post is being operated out of Pelham, Alabama. The spill location is located in a remote area. The nearest residential neighborhood and commercial area is located two miles from the spill location.

### **INCIDENT MANAGEMENT AND STAFFING**

OSC Chuck Berry integrated into Unified Command initially and demobilize on September 17, 2016. OSC Kevin Eichinger assumed EPA's position in Unified Command.

OSCs, the United States Coast Guard (USCG) Gulf Strike Team (GST) and the Superfund Technical Assessment and Response Team (START) are embed in the Operations Sections.

An OSC and START are embed in the Environmental Unit.

EPA Public Affairs Specialist and a Public Information Officer are also assigned to the Joint Information Center (JIC).

Current number of EPA Personnel Assigned: 5

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members:  
4

Current number START Personnel: 3

Total number of response Personnel: 739

-

### **CURRENT RELEASE AND RECOVERY ESTIMATES**

Current Release Estimate – 6,000 bbl to 8,000 bbls

## Recovery/Loss to the Environment Volumes:

Fuel/Waste Recovery	Volume Since Last SITREP	Total Volume to Date
Recovered from Pond #2	200 gallons	85,976 gallons
Loss to the Environment due to Evaporation	28,335 gallons	229,040 gallons
Bond in the Soil	TBD	TBD
Petroleum Contact Water		242,155 gallons

## CURRENT OPERATIONS

### 1) Product Recovery and Removal

- A 6-inch pipe was observed to discharging water from Pond 3; however, flow was restricted likely due to a blockage. CPC has installed a plug in the 6-inch pipe to help reduce the potential of petroleum impacted water being released. The water level was measured before installation and 24-hours after installation of the plug. Installation of the plug caused the water level to rise approximately 1-inch.
- CPC continues to evaluate plugging the culvert between Pond 2 and Pond 3. They intend to send a camera in the area tomorrow to determine the best method to seal it.
- CPC completed the new soil staging area last night and moved the excavated pile (generated during the previous operational period) to the new location. EPA advised CPC to have a secondary storage area ready in the event additional soil is excavated.
- Elevated benzene and lower explosive limit (LEL) continue to hinder progress. Minimal excavation occurred overnight due to elevated LEL and benzene readings at the leak site. CPC has excavated an estimated 40 tons of soil. Local firefighters continued to use a vapor suppressant agent during excavation activities.
- Due to health and safety reasons, product recovery operations shut down while excavation occurs at the leak site. When excavation activities break or suspend due to elevated LEL and benzene levels, product recovery operations resume in Pond 2. Product recovery occurs at two points, the southwestern portion of the Pond (2a) and northeast portion of the Pond (2b). CPC primarily use drum skimmers to capture free product from Pond 2. Vacuum trucks from 2b are transferring recovered product to four storage tanks at staging 2b. There are two storage tanks at staging 2a, recovering product from recovery point 2a. Excavation activities and

elevated LEL and benzene levels limited product recover efforts today.

- [ ] Inclement weather caused activities to shut down for a period of time.
- [ ] Visual observations indicate gasoline thickness on Pond 2 to be approximately 1-inch.

## **2) Environmental Sampling and Impacts**

### **a. Air Monitoring**

- [ ] Work interruptions continue due to excessive benzene and LEL readings. Today's VOC's peaked at 270 parts per million (ppm) at the 2a compressor; benzene peaked at 2.4 ppm at the release site; and LEL peaked at 26% at stopple 2.
- [ ] Two START members continue to conduct oversight of air monitoring activities.

### **b. Surface Water**

- [ ] Two START members continue to collect split surface water samples with CPC. Split samples were collected from the Cahaba River in coordination with the Cahaba River Keeper and CPC's environmental consultant. START was unable to collect split samples from Pond 3 and Peel Creek due to excavation at the leak site; however, CPC's environmental consultant had a crew in the area and was able to collect samples from this area.
- [ ] Preliminary EPA water sample data should be received tonight.

### **c. Wildlife Impacts**

- [ ] The CPC environmental consultant is responsible for identifying and documenting impacted wildlife. To date, five mammals including a rabbit, two raccoons, one fox, and one armadillo have been impacted; one reptile (turtle) has been impacted; and one white bird has been impacted. The bird is located in a restricted area and teams have not been able collect it. No additional impacted wildlife was reported during this operation period.

## **3) Health and Safety Oversight**

- [ ] EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard, OSC Tripp, and two GST members continue to provide oversight of site safety and monitor the operations progress.

- [REDACTED] Two GST members continue to observe night operations.
- [REDACTED] The Federal Aviation Administration (FAA) continues to maintain an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

#### **4) Restoration of Services**

- [REDACTED] CPC continues to stage material and prepare for pushing the pig through the pipe to remove the remaining product. This process is anticipated to begin on Sunday afternoon and will be completed Monday morning.
- [REDACTED] CPC continues to implement the plan to install an approximate 1,000 foot section of pipe to by-pass the leak site. This plan was developed with the input of Pipeline and Hazardous Materials Safety Agency (PHMSA). Once installed, the pipeline can resume service.

#### **5) Remediation Planning**

- [REDACTED] Plans continue to be developed and will be reviewed by IC when ready.
- [REDACTED] The City of Helena operates the closest drinking water well. It is located approximately five miles from the release site. City Helena Utilities is conducting well water sampling for the constituents found in gasoline.

#### **6) Emergency Fuel Waiver**

- [REDACTED] CPC requested a waiver of the prohibition for commingling provisions [found in 40 C.F.R. § 80.78(a)(7) ] that prohibits any person from combining any reformulated gasoline blendstock for oxygenate blending with any other gasoline, blendstock, or oxygenate, unless certain conditions are met. The waiver request was issued on September 16, 2016 and will expire October 6, 2016, EPA issued an emergency fuel waiver of the reformulated gasoline (RFG) requirements in Alabama, Delaware, Georgia, Kentucky, Maryland, Mississippi, New Jersey, North Carolina, South Carolina, Tennessee, Virginia and the District of Columbia. If there is any change or addition to the waiver status it will be noted in the SITREP.

## **PLANNED RESPONSE ACTIVITIES**

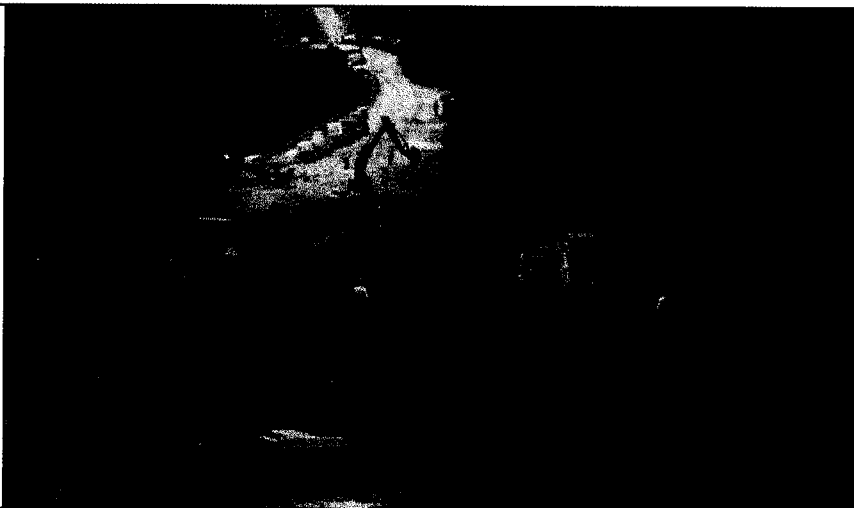
Inclement weather is expected again during the next operation period which may affect planned activities. The following activities are planned during the next operation period:

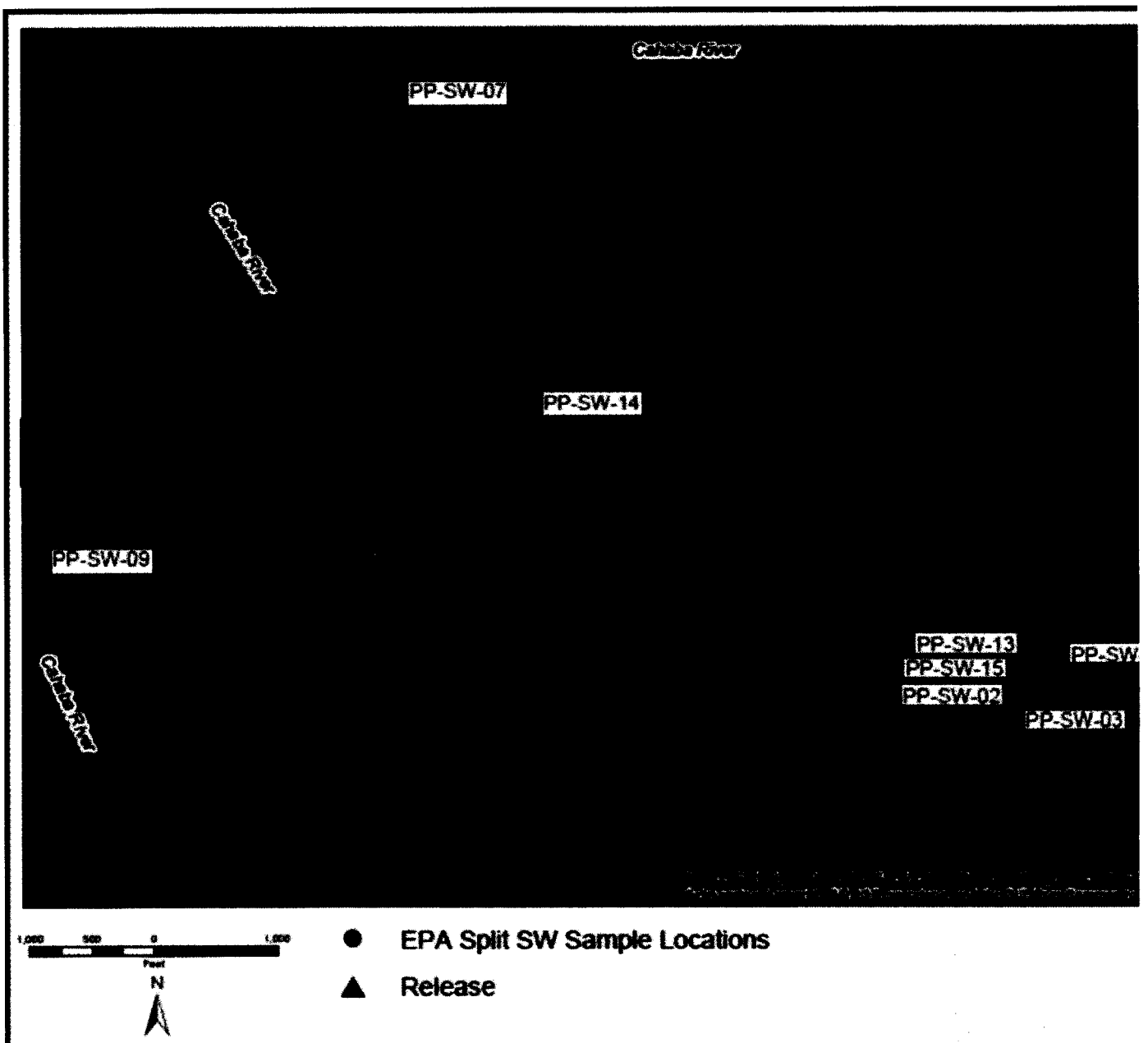
- ☐ ☐ ☐ ☐ ☐ ☐ Continue to participate in UC
- ☐ ☐ ☐ ☐ ☐ ☐ Monitor removal activities
- ☐ ☐ ☐ ☐ ☐ ☐ START will continue to collect additional split surface water samples with the CPC environmental contractor and the Cahaba River Keeper
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- ☐ ☐ ☐ ☐ ☐ ☐ Continue recovery of fuel from Pond 2
- ☐ ☐ ☐ ☐ ☐ ☐ Continue removal of fuel from the plugged pipeline

## **SITUATIONAL REFERENCE MATERIAL**

<p>Excavation activities at leak site. The Pelham Fire Department can be seen in the background dispersing F 500 over the excavation area.</p> <p>In the foreground, crews</p>	
--	--

are excavating around  
the pipeline in order to  
install one end of the  
bypass.





of EPA Surface Water Sampling Locations

**Cc:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Harper, Greg  
**Sent:** Sun 9/18/2016 12:13:34 AM  
**Subject:** SITREP #8 - Pelham Pipeline Spill  
Pelham Pipeline Spill SITREP 8 09172016.pdf



## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #8**

1800 CDT, September 17, 2016

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### **PLANNED RESPONSE ACTIVITIES**

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- Continue to participate in UC

- ☐ ☐ ☐ ☐ ☐ ☐ Monitor removal activities
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- ☐ ☐ ☐ ☐ ☐ ☐ CPC will pre-stage oil containment booms on the Cahaba River
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- ☐ ☐ ☐ ☐ ☐ ☐ Continue recovery of fuel from Pond 2
- ☐ ☐ ☐ ☐ ☐ ☐ Continue removal of fuel from the plugged pipeline

**To:** Berry, Chuck[Berry.Chuck@epa.gov]; Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**From:** Stilman, Terry  
**Sent:** Fri 9/16/2016 7:25:34 PM  
**Subject:** FW: Colonial Pipeline Spill Tables of ecological screening values  
Tables 1 - Ecological Surface Water Screening Tables 9 19 16.xlsx  
Table 2 Ecological Sediment Screening Table 9 16 16.xlsx  
Summary May 2016.xls

**From:** Adams, Glenn  
**Sent:** Friday, September 16, 2016 3:20 PM  
**To:** Stilman, Terry <Stilman.Terry@epa.gov>; Harper, Greg <Harper.Greg@epa.gov>; Moore, Tony <moore.tony@epa.gov>  
**Cc:** Thoms, Sharon <Thoms.Sharon@epa.gov>; Thomas, Brett <Thomas.Brett@epa.gov>; Frederick, Tim <Frederick.Tim@epa.gov>; Collins, Arthur <Collins.Arthur@epa.gov>  
**Subject:** FW: Colonial Pipeline Spill Tables of ecological screening values

Terry,

Here is a list of the contaminants that we think would be important to look for in surface water and/or sediments. They are included in these eco (surface water and sediment) screening level table. We don't have eco values for all of these, but my folks are trying to fill in the missing parts. I have also attached the latest version of the RSL table. Eco risk will probably be your "driver" but you can look at the "Tap Water" or soil values in the RSL table for a guide to help you determine potential detection limits. If you collect any data and it exceeds these screening levels, then we can help you look at appropriate action levels for what you are finding (e.g., specifically for fish or swimmers, etc)

As I told you on the phone, I'm in Denver from Sunday thru Friday and won't be of much help to you, but feel free to call if needed. Tim Frederick will be acting for me while I'm out of the office. Below is the contact information for Tim, Brett and Sharon.

I hope this is helpful, but let us know if you have any questions or issues.

Thanks,

Glenn

Tim Frederick, HH Risk 2-8598 (desk) 470-728-7420 (cell)

Brett Thomas, Eco Risk 2-8751 (desk) 404-326-2715 (cell)

Sharon Thoms, Eco Risk 2-8666 (desk) 404-414-3550 (cell)

Glenn Adams, Chief

Scientific Support Section

EPA Region 4 Superfund Division

404-562-8771 (office)

**From:** Thoms, Sharon

**Sent:** Friday, September 16, 2016 2:41 PM

**To:** Adams, Glenn <[Adams.Glenn@epa.gov](mailto:Adams.Glenn@epa.gov)>

**Subject:** Colonial Pipeline Spill Tables of ecological screening values

Glenn,

I put the names of the chemicals that are recommended for analysis in the tables, but I have not finished filling out the screening values.

Sharon

Sharon Thoms

Life Scientist

Resources & Scientific Integrity Branch

**Superfund Division**

**U.S. EPA Region 4**

**Atlanta, GA 30303**

**(404) 562-8666**



questions or concerns.

Regards,

Shannon

Shannon P. Coleman

Colonial Pipeline Company

1185 Sanctuary Pkway, Suite 100

Alpharetta, GA 30009

Direct: 678-762-2523

Mobile: :

**Exemption 6 Personal Privacy**

**To:** Webster, James[Webster.James@epa.gov]  
**Cc:** Berry, Chuck[Berry.Chuck@epa.gov]; Moore, Tony[moore.tony@epa.gov]  
**From:** Stilman, Terry  
**Sent:** Fri 9/16/2016 5:30:54 PM  
**Subject:** FW: Waiver of Certain Reformulated Gasoline Regulations

Jim,

As we discussed.

Terry.

**From:** Coleman, Shannon P. [mailto:spcoleman@colpipe.com]  
**Sent:** Friday, September 16, 2016 1:24 PM  
**To:** Stilman, Terry <Stilman.Terry@epa.gov>  
**Cc:** Lohoff, Drew <dlohoff@colpipe.com>; Harris, Erin <eharris@colpipe.com>; Seagraves, Preston T <PSeagrav@colpipe.com>  
**Subject:** Waiver of Certain Reformulated Gasoline Regulations

Terry,

Colonial is requesting a waiver of 40 CFR § 80.78(a)(7), which will allow us to comingle RBOB and CBOB prior to the addition of ethanol. As well as a waiver pursuant to CAA § 211(c)(4)(C)(ii)(I), 42 U.S.C. § 7545(c)(4)(C)(ii)(I) to allow conventional gasoline to be sold in Designated RFG Covered Areas. This waiver would need to encompass RBOB and CBOB moved on Colonial Pipeline and Plantation Pipeline. Colonial anticipates needing this waiver for two to four weeks.

I believe my colleague in quality assurance has also reached out to a contact at EPA (Jeff Herzog), so we may be coming at this from both directions. Our apologies.

My contact information is shown below. Please feel free to call or e-mail with any additional

**To:** Berry, Chuck[Berry.Chuck@epa.gov];  
timothy.wynn@adem.state.al.us[timothy.wynn@adem.state.al.us]; Beck, Gerald A.[GBeck@colpipe.com];  
Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**Cc:** Pruitt, Darren J[DPruitt@colpipe.com]; Kolar, Angela[AKolar@colpipe.com]  
**From:** Arnold, Terri  
**Sent:** Fri 9/16/2016 4:46:02 AM  
**Subject:** Colonial Pipeline LEL Suppression Plan for CR 91 on behalf of Darren Pruitt (IC)  
LEL Suppression Plan Revised Final.docx  
REVISED LEL Suppression Plan COVER PAGE.docx  
MSDS F500.pdf

For your approval please find attached the revised LEL Suppression plan with the requested additional clarification of terms and definitions.

Please send approvals by email back to [tarnold@colpipe.com](mailto:tarnold@colpipe.com).

Thank you,

**Terri Arnold**

**Colonial Pipeline Company**



**Office: 770 819-3551**

**Exemption 6 Personal Privacy**

**Cell:**

**Fax: 770-819-3567**



**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**Cc:** Webster, James[Webster.James@epa.gov];  
Joyce\_St Stanley@ios.doi.gov[Joyce\_St Stanley@ios.doi.gov]  
**From:** Springer, Grady  
**Sent:** Fri 9/16/2016 12:58:29 AM  
**Subject:** Re: 40 CFR 300.910 (d) Notification

10-4, thanks for the notification.

Sent from my iPhone

On Sep 15, 2016, at 5:53 PM, Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)> wrote:

All:

EPA OSC Chuck Berry as part of the Unified Command is authorizing the use of a multi-purpose fire-fighting vapor suppressor / surface washing agent to suppress explosive vapors at the Pelham Pipeline Spill. The product F-500 Multipurpose Encapsulator Agent will be applied to soil saturated with gasoline in order to reduce vapors to below-explosive levels. It is not being applied directly to water, but there is a slight risk of runoff entering a pond. This pond currently holds an estimated 100,000 gallons of gasoline. The OSC determined the risk to the environment is far outweighed by the decreased risk of fire or explosion at the work site.

Chuck Berry

On-Scene Coordinator

US Environmental Protection Agency

61 Forsyth Street, 11th Floor

Atlanta, GA 30303

404.562.8278 (Office)

404.859.0970 (Cell)

[berry.chuck@epa.gov](mailto:berry.chuck@epa.gov)



**Cc:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Harper, Greg  
**Sent:** Fri 9/16/2016 12:52:02 AM  
**Subject:** SITREP #6 - Pelham Pipeline spill  
Pelham Pipeline Spill SITREP 6 09152016.pdf



## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #6**

1800 CDT, September 15, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by a state mining inspector, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has since been updated in NRC Reports to 252,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking

water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) and EPA have integrated into Unified Command and are coordinating with State and County Agencies. An Incident Command Post is being operated out of Pelham, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of explosive vapors and volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Consult with the Department of Interior and the State of Alabama identified threatened and endangered (T&E) species in the area of the spill. However, no T&E species have been reported impacted from the spill, although several common species have been impacted.

The appropriate members were engaged during the initial response notification process. The following members were part of the initial notification: ADEM; Department of the Interior (DOI); and United States Environmental Protection Agency (USEPA). A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard, OSC Tripp and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. OSC Stilman has been deployed to assist with Incident Command. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

Current number START Personnel: 3

-

## **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

## **CURRENT OPERATIONS**

Both stopples are in place. Colonial has ceased recovering product from the line as the nitrogen displacement has reached its maximum efficacy. Colonial has developed a displacement plan to use water to displace the remainder of the fuel. Activities for this operations are estimated to be ready by Saturday. Fuel continues to leak from the break, but at a much reduced rate.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remain on site providing air monitoring services. CTEH continues monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excessive benzene and LEL readings. Today's VOC exceedance levels range from 30 - 2,699 parts per million (ppm). The exceedances from benzene range 0.6 - 18 ppm. LEL exceedance levels range from 10% - 196%.

Colonial has managed to remove approximately 233,614 gallons of liquid from Pond 2. Of that volume 58,461 gallons of fuel has been recovered and 175,531 gallons of mixed oil/water remain in frac tanks.

Colonial performed an initial mass balance calculation and determined an estimated volume of 252,000 gallons of fuel was discharged. They are estimating 180,634 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. OSC Garrard, OPS, was on site in the morning exploring areas along Peel Creek with GST and Colonial personnel for potential placement of an additional underflow dam. Additional locations were identified, and Colonial has agreed to reserve material to construct these features. Additionally, Colonial has estimated a 10-hour construction time for this final structure. To facilitate access, Colonial is building an

access road along the entire length of Peel Creek.

No adverse weather impacts are expected for the next operational period.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard, OSC Tripp, and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney remains integrated with the JIC. One CIC is mobilizing to the site tomorrow. OSC Berry provided one telephone interview to the local NBC affiliate this afternoon.

The fire chief deemed the transfer of product from the pipeline to frac tanks was too high-risk, therefore operations were changed to direct tanker transfer. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-load.

The Federal Aviation Administration continues to maintain an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

OSC Tripp was on-site performing an observation of all operation areas with GST most of the day. The county sheriff's office was patrolling the site air space by helicopter to enforce the air restriction put in place by the FAA. During the night there was a drone being flown over the site by an unknown operator.

Two START members arrived on-scene to assist with surface water and sediment sampling operations. OSC Stilman mobilized in this morning as the Deputy IC for EPA and provided comments to the Surface water and sediment sampling plan. An additional START member is mobilizing in tonight to provide ICS support.

Recovery operations are occurring at two points 2a and 2b. Vacuum trucks from 2b are transferring recovered product to 4 frac tanks at staging 2b. There are 2 frac tanks at staging 2a where they are recovering product from recovery point 2a.

Colonial is implementing a backup plan for restoration of service by constructing a bypass around the leak. The use of this will be determined by the difficulties found during the success and timing of the water displacement plan and excavation of the break. Colonial has given a tentative restoration time of late next week.

Due to the ongoing response efforts and unknown timelines, the EPA OSC made a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

- ☐ Continue to participate in UC
- ☐ Monitor removal activities
- ☐ Monitor safety air monitoring

- Participate in the Joint Information Center
- Prepare for and coordinate a transition to a removal phase
- Preform water sampling
- Finalize Surface Water and Sediment Sampling Plan
- Finalize Vapor Suppression Plan
- Finalize Site Evacuation Plan

**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**Cc:** Webster, James[Webster.James@epa.gov];  
GSpringer@adem.state.al.us[GSpringer@adem.state.al.us]  
**From:** Joyce Stanley  
**Sent:** Thur 9/15/2016 11:43:30 PM  
**Subject:** Re: 40 CFR 300.910 (d) Notification

Thanks

Sent from my iPhone

On Sep 15, 2016, at 6:53 PM, Berry, Chuck <Berry.Chuck@epa.gov> wrote:

All:

EPA OSC Chuck Berry as part of the Unified Command is authorizing the use of a multi-purpose fire-fighting vapor suppressor / surface washing agent to suppress explosive vapors at the Pelham Pipeline Spill. The product F-500 Multipurpose Encapsulator Agent will be applied to soil saturated with gasoline in order to reduce vapors to below-explosive levels. It is not being applied directly to water, but there is a slight risk of runoff entering a pond. This pond currently holds an estimated 100,000 gallons of gasoline. The OSC determined the risk to the environment is far outweighed by the decreased risk of fire or explosion at the work site.

Chuck Berry

On-Scene Coordinator

US Environmental Protection Agency

61 Forsyth Street, 11th Floor

Atlanta, GA 30303

404.562.8278 (Office)

404.859.0970 (Cell)

[berry.chuck@epa.gov](mailto:berry.chuck@epa.gov)



**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Smith, Michael D. (Baton Rouge)  
**Sent:** Thur 9/15/2016 11:19:44 PM  
**Subject:** RE: Site Emergency Evacuation Plan  
Site Emergency Evacuation Plan\_CH.3.docx

Your changes incorporated and clarification added to decision process for stay-behind personnel and tasks...happy to discuss as-needed.

-Mike Smith

225-405-2514

**From:** Berry, Chuck [mailto:Berry.Chuck@epa.gov]  
**Sent:** Thursday, September 15, 2016 6:04 PM  
**To:** Smith, Michael D. (Baton Rouge) <MDsmith@colpipe.com>  
**Subject:** Re: Site Emergency Evacuation Plan

my edits are attached. please see me with any questions.

**Chuck Berry**

On-Scene Coordinator

US Environmental Protection Agency

61 Forsyth Street, 11th Floor

Atlanta, GA 30303

404.562.8278 (Office)

404.859.0970 (Cell)

[berry.chuck@epa.gov](mailto:berry.chuck@epa.gov)

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**From:** Smith, Michael D. (Baton Rouge) <[MDsmith@colpipe.com](mailto:MDsmith@colpipe.com)>  
**Sent:** Thursday, September 15, 2016 18:36  
**To:** Berry, Chuck  
**Subject:** Site Emergency Evacuation Plan

Please review highlighted changes.

**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Smith, Michael D. (Baton Rouge)  
**Sent:** Thur 9/15/2016 10:36:19 PM  
**Subject:** Site Emergency Evacuation Plan  
Site Emergency Evacuation Plan.docx

Please review highlighted changes.



Colonial Pipeline Company



Site Emergency Evacuation Plan

**INCIDENT:** CR91

**LOCATION:** Pelham, AL

**DATE & TIME PREPARED:** September 15, 2016 1505

Site Emergency Evacuation Plan – CR 91 Response

Prepared by:			9/15/16
Reviewed by:			

**APPROVALS:**

Colonial PSC:			
Colonial SOFR:			9/15/16
Sign Print Date			
Colonial IC:			
Sign Print Date			
FOSC:			
Sign Print Date			
SOSC:			
Sign Print Date			
LOSC:			
Sign Print Date			
LOSC:			
Sign Print Date			
LOSC:			
Sign Print Date			

## Colonial Pipeline Company



**\*Please note:** All approved plans must be filed with the appropriate Documentation Unit Leader (DOCL) to upload into WebIAP as well as disseminated to proper ICS Staff and/or included in the Situation Display.

## Colonial Pipeline Company



Potential emergency conditions that could require site evacuation:

- Fire/Explosion
- Presence of toxic or flammable vapors
- Severe weather

Site evacuations are communicated to personnel via:

- Three consecutive air horn blasts
- Radio communication
- Voice (face-to-face communication)

**Two types of evacuation may occur:**

**LEVEL 1 EVACUATION** – temporary evacuation of work areas (including Main Staging) to Muster Point A located at intersection of CR 91 and the Main Staging Area primary entrance road.

**LEVEL 2 EVACUATION** – full evacuation of work areas (including Main Staging) to Muster Point B located at the intersection of CR 91 and CR 270

The type and duration of evacuation will depend on the hazard(s) associated with the emergency and is determined by the Site Safety Officer who is responsible for ensuring evacuation level is communicated to all site personnel. As soon as possible, site evacuations must be reported to the Safety Officer located at the ICP.

Firefighters, air monitoring contractors, OSRO workers and other emergency responders may be required to remain on-site to address emergency conditions.

During an evacuation, the Site Commander will:

- Supervise the response and ensure the safety of all personnel

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

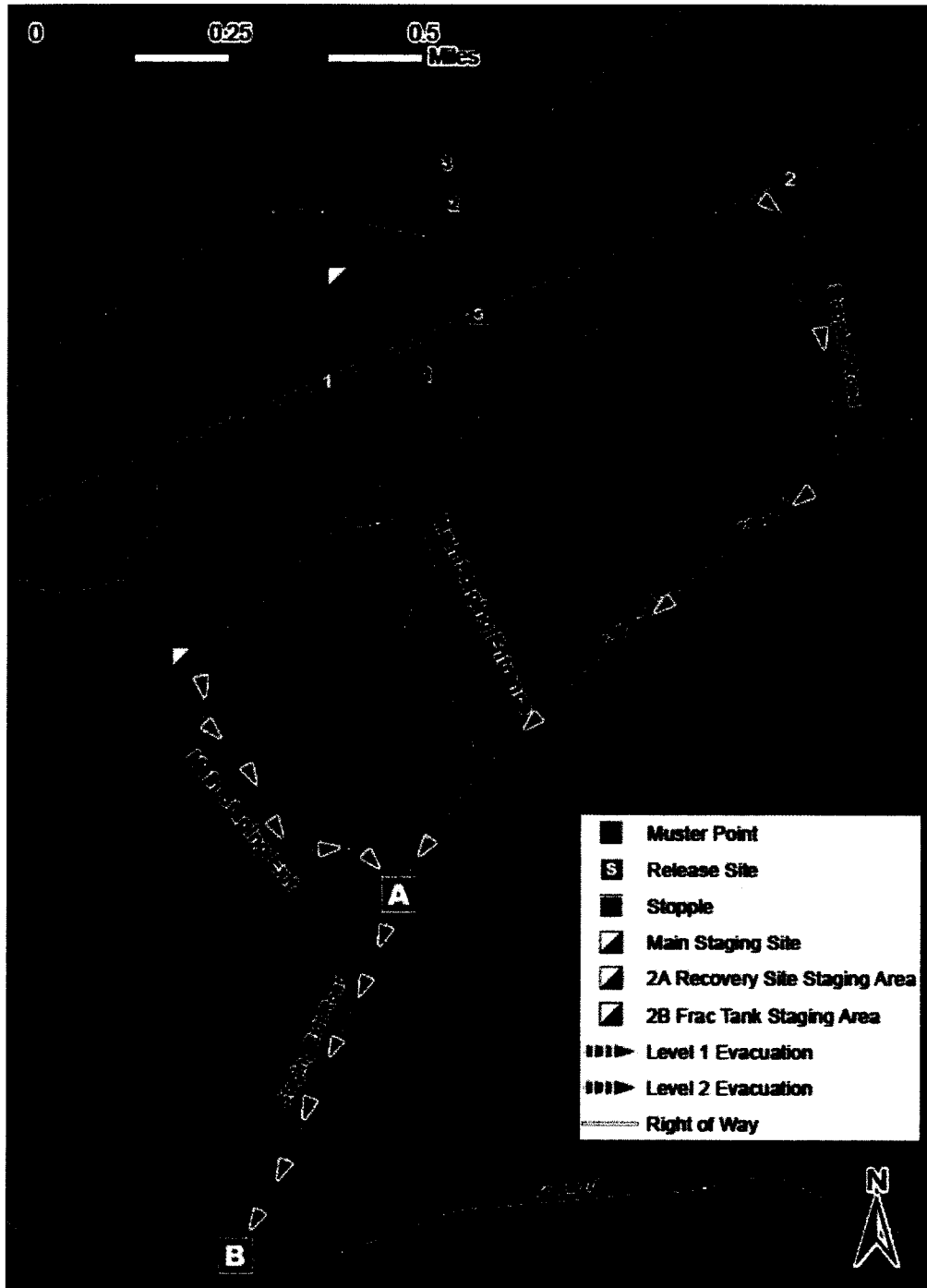
- Determine when it is safe for personnel to return to the facility
- Ensure rescue and/or medical aid is provided as-needed

**NOTE** – if evacuation is required for presence of harmful vapors (>10% LEL):

- Air monitoring contractors will inform the Site Safety Officer of the condition
- Site Safety Officer and Site Safety Specialists will ensure personnel evacuate the site on-foot
- Site Commander will ensure generators, light plants, compressors, fans and other potential ignition sources are immediately turned 'OFF'

For questions about this emergency evacuation plan, please contact the Site Safety Officer or Safety Officer

# Colonial Pipeline Company



**To:** Eoc, Epahq[Eoc.Epahq@epa.gov]  
**From:** Eoc, Epahq  
**Sent:** Thur 9/15/2016 4:59:56 PM  
**Subject:** EOC Spot Report: Region 4, Colonial Pipeline Spill, Pelham, AL (NRC # 1158584) – Update #5

**This report is being sent as a bcc to prevent accidental Reply to All messages.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**



**EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584) – Update #5**

**US Environmental Protection Agency**

**Report as of 1300 ET on 09/15/2016**

**Overview:** On September 9<sup>th</sup> at 1449 ET, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek, a tributary of the Cahaba River. An estimated 6,000 barrels of gasoline (253,000 gallons) have been discharged as a result of the leak. The spill location is in a remote location so no evacuations are necessary. The nearest residential neighborhood is located two miles away.

Colonial Pipeline crews continue to prepare the affected pipeline segment for excavation and repair while cleaning up the spill. Colonial Pipeline continues to collaborate with local, state and federal agencies, including the Environmental Protection Agency, Shelby County Emergency Management Agency, Helena Fire Department, Pelham Fire Department, and others in connection with the response. As a precautionary measure, airspace above the release location has been restricted to further protect responders, personnel and the public. According to the FAA, the restriction will remain in effect until 9/18/16.

Colonial has removed approximately 178,217 gallons of liquid from Pond 2. Of that volume, 48,125 gallons of oil have been separated and 130,092 gallons of mixed oil/water remain. Colonial established a pumping area on the north end of the pond where vapor levels were lower. Vacuum trucks continue to pump from this location. Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The high level of explosive vapors is the greatest limiting factor to recovery operations. Colonial contractor CTEH is on site providing air monitoring services. All personnel entering the hot zone are required to have flame resistant clothing and an air monitoring escort. Action levels for benzene, VOCs and explosive vapors have been established.

The diversions designed for Pond 3 are in place, which include a substantial underflow dam at the pond's outfall. No oil sheening is visible along the shoreline at Pond 3. Colonial continues to monitor the pond and will notify Unified Command if any petroleum is observed.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The Shelby County Emergency Management Association (EMA) responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State- and County-level agencies. An Incident Command post was established in Hoover, Alabama. United States Coast Guard (USCG) Gulf Strike Team (GST) members have been assisting with health and safety oversight and response operations.

**EPA Actions:** Four EPA Region 4 personnel and 4 USCG Strike Team Members are currently deployed to assist with the response and are integrated into Unified Command. EPA and USCG GST members are incorporated into air monitoring efforts. A Community Involvement Coordinator (CIC) is assisting at the Joint Information Center (JIC). The JIC set up two interviews with all members of UC. The Birmingham, AL news outlets were WBRC and AL.com. At this time, a Regional Response Team 4 (RRT4) activation is not planned. A Natural Resources Trustee consultation was held with a Region 4 Department of Interior representative. Threatened and endangered species in the area of the spill have been identified but are not impacted. Due to the ongoing response efforts, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

**Media Interest:** Low (local)

[http://www.al.com/news/index.ssf/2016/09/pipeline leak spilled an estim.html](http://www.al.com/news/index.ssf/2016/09/pipeline_leak_spilled_an_estim.html)

**The HQ EOC will continue to monitor and provide updates as needed.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

Eugene Lee, Senior Watch Officer

U.S. Environmental Protection Agency

Headquarters Emergency Operations Center

1200 Pennsylvania Ave

Washington, DC 20004

202-564-3850

<mailto:eoc.epahq@epa.gov>



**To:** Jones, Katrina[Jones.Katrina@epa.gov]  
**Cc:** Bates, Lloyd[Bates.Lloyd@epa.gov]; Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Harper, Greg  
**Sent:** Thur 9/15/2016 2:12:50 PM  
**Subject:** START Mobilization

Katrina,

We mobilized two START to the Pelham Pipeline Spill last night. Can we start with \$30K on a TDD. They are going to support sampling multimedia, analytical support, air monitoring and other routine START task.

Thank you,

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response Removal and Preparedness Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)



**To:** Weeks, Victor[weeks.victor@epa.gov]  
**Cc:** Williams, James[James.Williams@HQ.DHS.GOV]; Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Garrard, Jordan  
**Sent:** Thur 9/15/2016 12:50:38 PM  
**Subject:** Re: SITREP #5 - Pelham Pipeline Spill

Victor, I do not have an exact timeline on when the pipeline will be repaired and operational again. Chuck Berry might have a better idea. Colonial is currently initiating contingency plans involving the parallel pipeline to help relieve supply issues along the pipeline. I don't know what those contingency plans involve.

Jordan

Sent from my iPhone

On Sep 15, 2016, at 7:27 AM, Weeks, Victor <[weeks.victor@epa.gov](mailto:weeks.victor@epa.gov)> wrote:

Jordan:

James Williams with DHS was wondering if Colonial Pipeline has projected a date for when the pipeline will be returned to service?

Also, has Colonial Pipeline quantified any regional gasoline supply issues associated with this transmission pipeline incident?

Victor L. Weeks

U.S. EPA Region 4

Air, Pesticides & Toxics Management Division

Chemical Emergency Preparedness & Prevention Coordinator

Atlanta Federal Center

61 Forsyth ST

Atlanta, Georgia 30024

Direct: 404-562-9189

Cell: 770-363-7715

FAX: 404-562-9163

**From:** Harper, Greg  
**Sent:** Wednesday, September 14, 2016 8:51 PM  
**Cc:** Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)>  
**Subject:** SITREP #5 - Pelham Pipeline Spill

<image002.jpg>

## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #5**

1800 CDT, September 14, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency

Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

**Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.**

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

OSC Garrard was mobilized to the site to overlap with OSC Williamson today, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader. OSC Williamson demobilized during this operational period.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

## **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

## **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increase the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 41% range.

Colonial has managed to remove approximately 178,217 gallons of liquid from Pond 2. Of that volume 48,125 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney arrived at Incident Command Center and integrated into JIC. The JIC set up two interviews with all members of UC, including OSC Berry. The Birmingham, AL news outlets were WBRC and [AL.com](http://al.com). Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.

The fire chief deemed the transfer of product from the pipeline to frac tanks was to high risk, therefore operations changed to direct tanker to tanker trucks. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-load.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. 9 sampling locations have been established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the other 7 were below detection limits.

#### **PLANNED RESPONSE ACTIVITIES**

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

Because UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. EPA OSC has requested two START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts.

- ☐ ☐ ☐ ☐ ☐ ☐ ☐ Continue to participate in UC
- ☐ ☐ ☐ ☐ ☐ ☐ ☐ Monitor removal activities
- ☐ ☐ ☐ ☐ ☐ ☐ ☐ Monitor safety air monitoring
- ☐ ☐ ☐ ☐ ☐ ☐ ☐ Participate in the Joint Information Center

- ☐☐☐☐☐☐☐ Prepare for and coordinate a transition to a removal phase
- ☐☐☐☐☐☐☐ Perform water sampling

<Pelham\_Pipeline\_Spill\_SITREP\_5\_09142016.pdf>

**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**Cc:** Wyatt, John M.[JMWyatt@colpipe.com]  
**From:** Titus, Jeff  
**Sent:** Thur 9/15/2016 11:22:50 AM  
**Subject:** Fwd: Draft Sampling Plan  
[Draft Peel Creek Environmental Sampling and Analysis Plan Version 1.docx](#)  
[Draft Peel Creek Environmental Sampling and Analysis Plan Version 1.pdf](#)

Chuck.

Attached please find the draft surface water and sediment sampling and analysis plan

We will work with your representatives today to finalize this for you UC/IC approval

thank you  
Jeff Titus  
>



## **CR-91 INCIDENT, PELHAM, ALABAMA SURFACE WATER AND SEDIMENT SAMPLING AND ANALYSIS PLAN – Version 1**

### **Overview**

This document presents the initial surface water and sediment sampling and analysis plan.

EPS developed a sampling plan to collect water and sediment samples at selected locations in Ponds 1, 2, and 3; Peel Creek; and the Cahaba River. Sampling locations were targeted, based upon potentially affected areas and environmental sensitivity. Sampling locations include up-gradient background and downgradient samples.

The EPS sampling team was assembled and mobilized to the sampling locations the afternoon of September 10, 2016. Efforts will be made to initially collect water samples on a daily basis. In addition, an attempt to collect one sediment sample co-located with the water samples at each location will be conducted. Adjustments to this schedule will depend on emergency response actions, weather, sample analysis results, agency input, and site observations. This is a living sampling plan document and will evolve with further input from USEPA, USFWS, ADEM, Colonial Pipeline, EPS, Inc., and the Cahaba Riverkeeper.

Additionally, a fresh oil sample was collected from a frac tank on September 10, 2016. An attempt will be made to collect a source sample as the pipeline is drained.

### **Initial Sampling Program**

The Initial Sampling Program, with approximate locations as depicted in **Figure 1**, was comprised of a plan to obtain paired surface water and sediment samples on the first/second sampling day (including a duplicate sample). The general locations and samples are presented in the table below (note, that these may vary as discussed above).

SW_01/SD_01	Pond 1	Water and Sediment Sample
Not Assigned	Pond 2	Due to vapors, there is no access to this area. Samples will be collected once the area becomes cleared for sampling.
SW_02/SD_02 (Behind "V" dam)	Pond 3	Water Sample

SW_03/SD_03 (In Pond to left of "V" dam)		
SW_04/SD_04	Upstream of small drainage confluence from Pond 3 on Peel Creek (background)	Water and Sediment Sample
SW_05/SD_05	First downstream station of small drainage confluence from Pond 3 on Peel Creek; upstream of Boom Location 1	Water and Sediment Sample
SW_06/SD_06	Upstream on Peel Creek, farthest up-gradient Peel Creek sampling point (background)	Water and Sediment Sample
SW_07/SD_07	Upstream of Peel Creek Confluence (background) on the Cahaba River	Water and Sediment Sample
SW_08/SD_08	Second downstream station of small drainage confluence from Pond 3 on Peel Creek; downstream of Boom Location 1	Water and Sediment Sample
SW_09/SD_09	Downstream of Peel Creek Confluence on Cahaba River	Water and Sediment Sample
SD_10	Dry Creek Bed at mouth of Peel Creek, at confluence with Cahaba River	Sediment Sample
SD_11	Dry Creek Bed approximately 100 feet upgradient of SD-10	Sediment Sample
SW_12	In small drainage from Pond 3 just above (about 50 feet) the confluence with Peel Creek	Water Sample
SW_13	In Peel Creek, about 150 ft downstream from the confluence of the small drainage ditch from Pond 3	Water Sample

SW-14	In Cahaba River, just downgradient of confluence with Peel Creek.	Water Sample
FRESH PRODUCT	Recovered product from frac tank	Oil Product

### **Analytical Testing**

Surface water (SW) and sediment (SD) samples will be analyzed for BTEX and TPH-GRO. The oil product sample(s) will be analyzed for BTEX, VOC's, SVOC's, TPH-GRO, and PAH's. Initial samples will be analyzed on a "rush" basis. The analysis frequency will be modified as sampling progresses. The sampling and test methods are provided in **Attachment A**.

### **Chain of Custody for Environmental Samples**

The possession of samples must be traceable from the time of collection until they are analyzed by the analytical laboratory and the data are validated. To maintain and document sample possession, and ensure that proper analyses are performed on an individual sample, chain-of-custody (COC) procedures must be followed. During sample collection, a COC record (see below) will be initiated, and should include, at a minimum, the following information:

- |                                  |  |
|----------------------------------|--|
| 1) Project or Company Name;      | 7) Required Chem/Phys Analyses;                          |
| 2) Name of Sampler(s);           | 8) Preservatives Added to Samples;                       |
| 3) Sample Identification Number; | 9) Overnight Courier;                                    |
| 4) Date of Sample Collection;    | 10) Signatures Documenting Change of Sample Custody; and |
| 5) Time of Sample Collection;    | 11) Contact and Phone Number.                            |
| 6) Location/Station Sampled;     |  |

COC forms will accompany field samples at all times. When transferring possession of the samples, the individuals relinquishing and receiving the samples will sign, date, and note the time of transfer on the COC form. The samples will remain in the physical possession of the person assigned to the samples until they are transferred to another individual, shipped to the laboratory, or placed in locked storage. A copy of the completed COC form will be returned to the EPS Data Manager, and the original COC form should accompany the sample to the processing laboratory or the analytical laboratory. It should be sealed in a watertight Ziploc® -type bag, and taped to the underside of the lid of the shipping cooler. The shipping cooler should be taped closed (custody sealed) to prevent samples from being tampered with in any way.

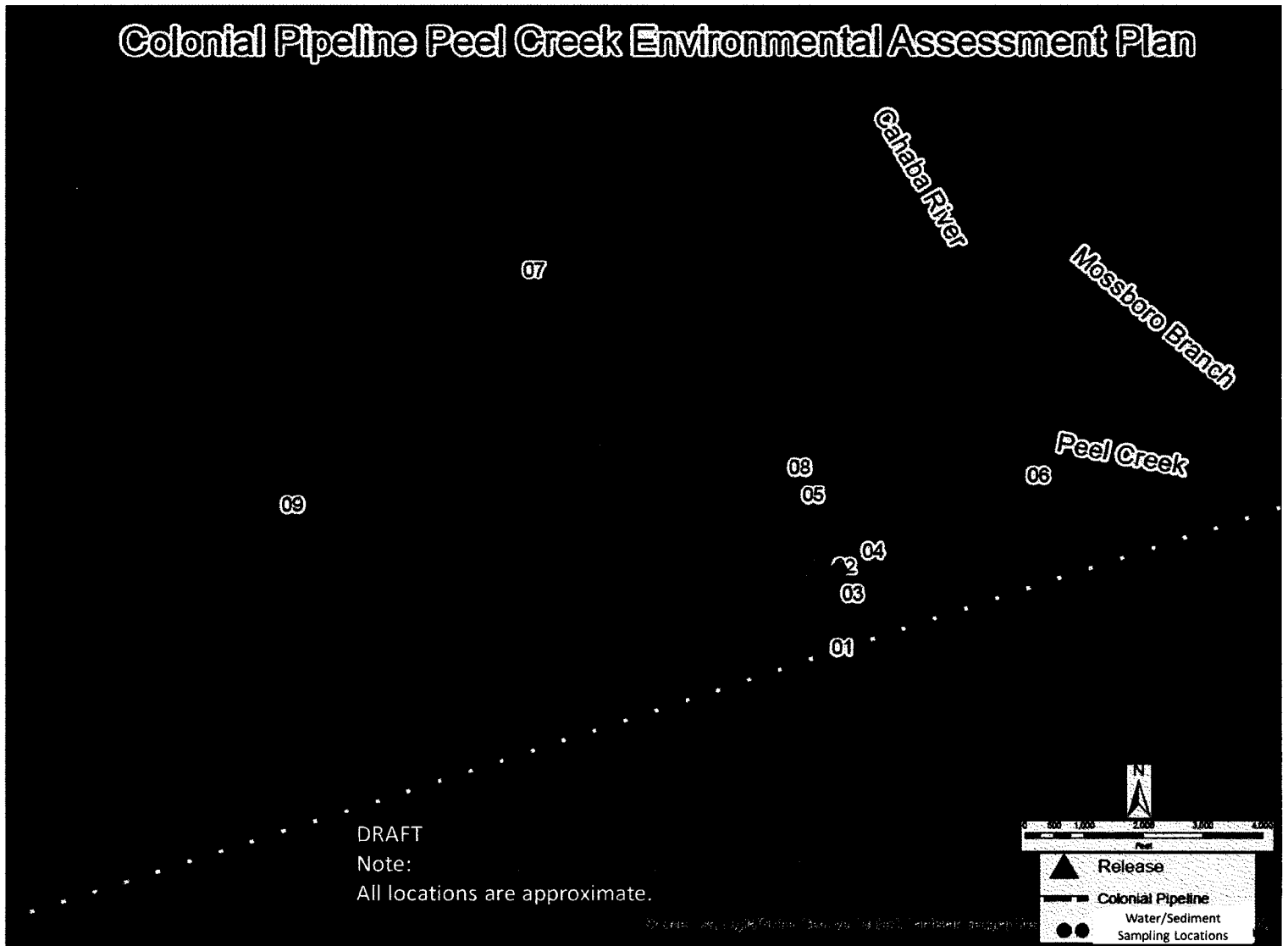
### **Schedule and Summary**

The information presented herein provides an overview of the initial information and activities associated with the environmental assessment. This information represents

initial data collection activities to determine potentially affected media, habitats, the extent of oiling, and initially affected resources. The short-term sampling and monitoring plan will be updated over the next 24 to 48 hours based upon the ongoing events related to the spill, and agency and Colonial input.

As the site cleanup progresses, we will likely transition from a daily sampling program to a less frequent (e.g., every 3 days to weekly) sampling program as dictated by Colonial and the agencies.

Figure 1. Sampling locations in the area of concern.



**Attachment A**  
**General Sampling and Analysis Protocols**

## GENERAL INFORMATION

There are a variety of materials (e.g., petroleum hydrocarbons, organic and inorganic chemicals, and mixtures of hazardous substances) that could be released during an oil spill. These materials could possibly affect a variety of substrates and matrices (e.g., water, soil, sediments, plant or animal tissue). There have also been numerous advances in measurement techniques for chemicals and toxicity. As a result, any list of chemical and toxicity test methods can become outdated, and methods should be discussed with Colonial experts prior to selection.

This Attachment includes protocols for sampling oil, surface water, and sediments/soils during the immediate response for Total Petroleum Hydrocarbon (TPH), Polycyclic Aromatic Hydrocarbons (PAHs), Benzene, Toluene, Ethylene, Xylene (BTEX), and for toxicity analysis.

It should be noted that, whenever possible, approved methods should be used for sampling and to conduct the various chemical and toxicity tests that may be required during an assessment. In many cases, however, modifications to the approved methods may be required (particularly when lower detection limits are required). Any modifications to standard procedures should be carefully documented in a Quality Assurance Project Plan.

It should also be noted that the specific analyses that will be conducted for a particular event can vary based on the product spilled and other factors.

## **INFORMATION ON SAMPLE COLLECTION PROCEDURES**

Wherever possible, use standard or approved methods for sampling and analyzing samples.

- Avoid cross-contamination of samples by carefully cleaning sampling equipment and/or by using disposable equipment (where appropriate). Latex gloves (or nitrile gloves if needed for personal protection) should be worn to avoid cross-contamination, and changed between each sampling location.
- Store and ship product (oil) samples in separate coolers from the environmental (water, sediment, and soil) samples to avoid possible contamination.
- Collect an appropriate volume of sample in pre-cleaned sample containers.
- Samples should be preserved, as necessary, using the appropriate preservatives (e.g., hydrochloric acid, 10% formalin, ethanol, ice, etc.).
- Document the time, location, and methods for sample collection using sample labels and field data sheets.
- Document and maintain sample custody using Chain-of-Custody forms.
- Complete sample log procedures to track which samples are to be analyzed immediately, and which samples are to be analyzed at a later date. All analyses are to be completed within the prescribed holding times for the samples and analytical techniques.
- Implement additional Quality Assurance/Quality Control (QA/QC) procedures including collection of representative samples, calibration of field instruments, use of field blanks, replicate analyses, calibrating laboratory instruments, analysis of spiked samples, analysis of standards and reference test materials.

**SAMPLING PROCEDURES FOR SOURCE OIL**

**Source oil** (also called **product** or **neat oil**) is oil which has had no contact with the environment, and should therefore be sampled directly out of the pipeline. However, it may not always be possible or practical to collect source oil. For example, a fire at the source of the pipeline leak will hinder collection of source oil. Personal protection is always of highest priority. Personal protection equipment should be worn when collecting source oil. If the necessary safety equipment is not available, collection of the source oil must be delayed until safety equipment is available.

- 1) Sample containers should be prepared in accordance with the specific laboratory analyses being performed and in compliance with USEPA Protocols (USEPA, 1991). Sample containers should be provided either by the laboratory performing the analysis or an independent supplier. Wherever possible, samples should be collected in duplicate containers in case of breakage.
- 2) Approximately 100 ml of source oil is needed for analysis. Source oil can be collected in either three (3) 40 ml VOA vials, or one (1) 4 oz. wide-mouth, Teflon-lined jar (125 ml).
- 3) Fill out sample labels with date, time, unique sample ID, analyses to be conducted, and sampler's initials.
- 4) If source oil is accessible by hand, the oil can be directly collected in the jar. Alternatively, a sterile disposable scoop may be used to collect the oil.
  - a. If source oil is not accessible by hand, a remote sampler may be used.
- 5) Dry and clean the outside of the bottles thoroughly, and place corresponding labels on jars. Complete the sample collection data sheet, make any needed notes in the field log, and complete the Chain-of-Custody form.
- 6) Place samples in a designated cooler with frozen "Blue-Ice" or ice to maintain a temperature of 4°C. **This cooler should only contain source, fresh, or weathered oil samples in order to avoid contamination of the environmental samples.**
- 7) Chain-of-Custody (COC) forms should be signed and placed in a waterproof bag and sealed in the cooler. Where necessary, make a copy of the COC form before sealing it in the cooler. The samples should be relinquished to the carrier (carrier does not need to sign COC) or lab personnel, if hand delivered. The shipping slip should be kept on file to track the samples.
- 8) Samples should be shipped for delivery the following day or hand delivered the following morning.

## **SAMPLING PROCEDURES FOR FRESH AND WEATHERED OIL**

**Fresh oil** is oil which has recently spilled into the environment (aquatic or terrestrial) and has had limited opportunity for degradation (weathering). Fresh oil is typically found and collected in the slick, near the source. Wear personal protection equipment while sampling fresh oil.

**Weathered oil** is oil which has spilled from the source into the environment (aquatic or terrestrial) and has remained in the environment long enough for degradation/change (weathering) of the oil to occur. Oil weathers over time, therefore "weathered oil" is a generic term to describe many stages of degradation. In order to properly document the degradation of the oil over time, several samples of weathered oil are usually needed. Weathered oil samples may consist of the floating oil slick, mousse, or oil deposits on the shoreline. Sampling locations should be well documented.

- 1) Sample containers should be prepared in accordance with the specific laboratory analyses being performed and in compliance with USEPA Protocols (USEPA, 1991). Sample containers should be provided either by the laboratory performing the analysis or an independent supplier. Wherever possible, samples should be collected in duplicate containers in case of breakage.
- 2) Oil samples should be collected in two (2) 1.0 liter, pre-cleaned amber bottles or vials (as appropriate). If the oil has solidified, 4 oz. wide-mouth, Teflon-lined jars can also be used.
- 3) Fill out sample labels with date, time, unique sample ID, analyses to be conducted, and sampler's initials.
- 4) For each oil sample, the oil should be skimmed off the surface of the water or land using the bottle or a sterile disposable scoop if needed. The amount of non-oil collected (water or soil) should be minimized.
- 5) Dry and clean the outside of the bottles thoroughly, and place corresponding labels on jars. Complete the sample collection data sheet, make any needed notes in the field log, and complete the Chain-of-Custody form.
- 6) Place samples in a designated cooler with ice to maintain a temperature of 4°C. **This cooler should only contain source, fresh, or weathered oil samples in order to avoid contamination of the environmental samples.**
- 7) Chain-of-Custody (COC) forms should be signed and placed in a waterproof bag and sealed in the cooler. Where necessary, make a copy of the COC form before sealing it in the cooler. The samples should be relinquished to the carrier (carrier does not need to sign COC or lab personnel, if hand delivered. The shipping slip should be kept on file to track the samples.
- 8) Samples should be shipped for delivery the following day or hand delivered the following morning.

## **SAMPLING PROCEDURES FOR SURFACE WATER: TPH, PAH, AND BTEX ANALYSES**

- 1) Sample containers should be prepared in accordance with the specific laboratory analyses being performed and in compliance with USEPA Protocols (USEPA, 1991). Sample containers should be provided either by the laboratory performing the analysis or an independent supplier. Wherever possible, samples should be collected in duplicate containers in case of breakage.
  - a. Water samples for TPH-DRO analysis should be collected in two (2) 1.0 liter, pre-cleaned amber bottles.
  - b. Water samples for BTEX and TPH-GRO analysis should be collected in two (2), 40 ml glass vials containing HCl to reduce the pH to  $< 2$  units.
  - c. Water samples for PAH analysis should be collected in two (2) 1.0 liter, pre-cleaned amber bottles.
- 2) Fill out sample labels with date, time, unique sample ID, analyses to be conducted, sampler's initials, and sample preservatives if any.
- 3) **For TPH Analysis:** Each of two (2) closed 1.0 liter bottles should be submerged at least 10 cm below the water surface, the lids should be removed, and the bottles allowed to fill with water. The lids should be replaced and the bottles removed from the water.
- 4) **For BTEX and TPH-GRO Analysis:** One (1) of the two liters filled above should be used to fill the 40 ml glass vials, leaving no headspace. The remaining sample should be used for TPH analysis.
- 5) **For PAH Analysis:** Each of two (2) closed 1.0 liter bottles should be submerged at least 10 cm below the water surface, the lids should be removed, and the bottles allowed to fill with water. The lids should be replaced and the bottles removed from the water.
- 6) Dry and clean the outside of the bottles thoroughly, and place corresponding labels on jars. Complete the sample collection data sheet, make any needed notes in the field log, and complete the Chain-of-Custody form.
- 7) Place samples in a designated cooler with frozen "Blue-Ice" or ice to maintain a temperature of 4°C. **This cooler should not contain any source, fresh or weathered oil samples in order to avoid contamination of the environmental samples.**
- 8) Chain-of-custody (COC) forms should be signed and placed in a waterproof bag and sealed in the cooler. Where necessary, make a copy of the COC form before sealing it in the cooler. The samples should be relinquished to the carrier (carrier does not need to sign COC or lab personnel, if hand delivered). The shipping slip should be kept on file to track the samples.
- 9) Samples should be shipped for delivery the following day or hand delivered the following morning.

## **SAMPLING PROCEDURES FOR SOIL/SEDIMENT: TPH, PAH, TOC, AND GRAIN SIZE ANALYSES**

- 1) Sample containers should be prepared in accordance with the specific laboratory analyses being performed and in compliance with U.S. EPA protocols (USEPA, 1991). Sample containers should be provided either by the laboratory performing the analysis or an independent supplier. Wherever possible, samples should be collected in duplicate containers in case of breakage.
- 2) **Soil/Sediment samples collected for TPH-DRO, PAH, Total Organic Carbon (TOC) or Grain Size Analysis** will be collected in a 4 oz glass jar. (Note: Samples for each analysis should be collected in separate containers, and samples for grain size analysis should not be frozen.)
- 3) **Soil/Sediment samples collected for BTEX and TPH-GRO analysis** will be collected in three (3), pre-weighed 40 ml glass vials: one preserved with methanol and two preserved with sodium bisulfate.
- 4) Fill out sample label with date, time, unique sample ID, analyses to be conducted, and sampler's initials.
- 5) **Soft Soil or Sediments in Shallow Waters:** The sample can be collected using stainless steel spoons. Samples containerized in 40 ml vials should be collected by pushing a laboratory supplied plastic syringe directly into the spooned sediment. Samples containerized in 4 oz jars can be filled directly from the stainless steel spoon. Care should be taken when filling the jars to minimize headspace. One spoon should be used for each sample to minimize the potential for cross-contamination. Additionally, each spoon should be decontaminated prior to and after sampling.
- 6) **Hard or Rocky Soil, or in Shallow Waters where the Substrate is Hard:** A decontaminated polycarbonate hand core can be used to collect samples. The core tube should be inserted three quarters into the surface, removed and the upper 2-4 inches placed into the 4 oz. jar. Cores should be removed using a wooden dowel covered with sterile aluminum foil and by pushing the sediments through the core from the bottom. The sample should be collected leaving as little headspace as possible.
- 7) **Deep Water Sediment Samples:** A ponar-grab sampler should be used to collect the sediment sample. The sample should then be placed in a 4 oz jar leaving as little headspace as possible.
- 8) Dry and clean the outside of the bottles thoroughly, and place corresponding labels on jars. Complete the sample collection data sheet, make any needed notes in the field log, and complete the Chain-of-Custody form.
- 9) Place samples in a designated cooler with frozen "Blue-Ice" or ice to maintain a temperature of 4°C. **This cooler should not contain any source, fresh or weathered oil samples in order to avoid contamination of the environmental samples.**
- 10) Chain-of-Custody (COC) forms should be signed and placed in a waterproof bag and sealed in the cooler. Where necessary, make a copy of the COC form before sealing it in the cooler. The samples should be relinquished to the carrier (carrier does not need to

sign COC or lab personnel, if hand delivered. The shipping slip should be kept on file to track the samples.

**11)** Samples should be shipped for delivery the following day or hand delivered the following morning.

ANALYSES CONSIDERED FOR A SPECIFIC INCIDENT WILL VARY DEPENDING UPON A VARIETY OF FACTORS SUCH AS  
PRODUCT SPILLED, ETC. - NOT ALL ANALYSES WILL BE IMPLEMENTED FOR AN EVENT

## SURFACE WATER

ANALYSIS	TARGET GROUP	ANALYTES	RATIONALE/COMMENTS
Chemical Analyses	<ul style="list-style-type: none"> <li>Benzene, Toluene, Ethylbenzene, Xylene (BTEX)</li> </ul>	Aromatic volatile organic compounds	Measure volatile organics in water and assess possible concerns related to BTEX contamination.
	<ul style="list-style-type: none"> <li>Total Petroleum Hydrocarbons (TPH) including GRO and DRO analyses</li> </ul>	Volatile and semi-volatile hydrocarbons	Measure the petroleum content of the sample. Gasoline Range Organics (GRO) for gasoline-contaminated samples and Diesel Range Organics (DRO) for diesel and heavier hydrocarbon samples.
	<ul style="list-style-type: none"> <li>Polycyclic Aromatic Hydrocarbons (PAH)</li> </ul>	2-6 ring PAHs and selected alkylated homologues	Measure polycyclic aromatic hydrocarbons (major toxic components) in water. Particularly important to differentiate between multiple sources of contamination (e.g., "fingerprinting").
Toxicity Analyses <i>Freshwater (F) or Marine (M), as appropriate</i>	<ul style="list-style-type: none"> <li>Acute Toxicity: <i>Ceriodaphnia dubia</i> (F) <i>Pimephales promelas</i> (F) <i>Mysidopsis bahia</i> (M) <i>Cyprinodon variegatus</i> (M)</li> </ul>	Mortality and observed effects to selected test species	Toxicity tests measure the net interactive effects of contaminated surface water samples on aquatic organisms. Acute toxicity tests are conducted immediately after a spill to evaluate whether the spilled oil is exerting toxic effects on local biota. Also can be used to demonstrate lack of toxicity (injury) in certain cases.
	<ul style="list-style-type: none"> <li>Chronic Toxicity: <i>Ceriodaphnia dubia</i> (F) <i>Pimephales promelas</i> (F) <i>Mysidopsis bahia</i> (M) <i>Cyprinodon variegatus</i> (M)</li> </ul>	Mortality, reproduction, growth, fecundity and other observed effects to selected test species	Toxicity tests measure the net interactive effects of contaminated surface water samples on aquatic organisms. Chronic toxicity tests are conducted after a spill to evaluate low level concentrations and potential for sublethal, toxic effects (e.g., reduced growth or reduced reproduction) of the spilled material.

ANALYSES CONSIDERED FOR A SPECIFIC INCIDENT WILL VARY DEPENDING UPON A VARIETY OF FACTORS SUCH AS

PRODUCT SPILLED, ETC. - NOT ALL ANALYSES WILL BE IMPLEMENTED FOR AN EVENT *continued...*

## SEDIMENTS AND SOILS

ANALYSIS	TARGET GROUP	ANALYTES	RATIONALE/COMMENTS
Chemical Analyses	<ul style="list-style-type: none"> <li>Benzene, Toluene, Ethylbenzene, Xylene (BTEX)</li> </ul>	Aromatic volatile organic compounds	Measure volatile organics in sediments and assess possible concerns related to BTEX contamination.
	<ul style="list-style-type: none"> <li>Total Petroleum Hydrocarbons (TPH) including GRO and DRO analyses</li> </ul>	Volatile and semi-volatile hydrocarbons	Measure the petroleum content of the sample. Gasoline Range Organics (GRO) for gasoline-contaminated samples and Diesel Range Organics (DRO) for diesel and heavier hydrocarbon samples.
	<ul style="list-style-type: none"> <li>Polycyclic Aromatic Hydrocarbons (PAH)</li> </ul>	2-6 ring PAH and selected alkylated homologues	Measure polycyclic aromatic hydrocarbons in sediments and soils. Particularly important to differentiate between multiple sources of contamination (e.g., "fingerprinting").
	<ul style="list-style-type: none"> <li>Grain Size</li> </ul>	Percent gravel, sand, silt and clay class size distribution	Provides information on the particle size distribution and nature of the sedimentary environment. Used to normalize concentration of organic compounds.
	<ul style="list-style-type: none"> <li>Total Organic Carbon (TOC)</li> </ul>	Organic carbon	Used to normalize the concentration of organic compounds which may be in the sediment or soil samples.
Toxicity Analyses	<ul style="list-style-type: none"> <li>Moisture Content</li> </ul>	Percent moisture of sediment samples	Measure water (moisture) content of samples. Used to convert to dry weight.
	<ul style="list-style-type: none"> <li>Acute Toxicity (Sediments): <i>Hyallella azteca</i> <i>Chironomus</i> sp.</li> </ul>	Mortality, reproduction, growth, and other observed effects to selected test species	Toxicity tests measure the net interactive effects of oil deposits in sediments. Toxicity tests assist in assessing spill-related injury to sediment dwelling organisms.

## TEST METHODS FOR SPECIFIC CHEMICAL AND TOXICITY ANALYSES CONDUCTED

Analyte(s)	Sample Matrix	Possible Test Method (1)
<b>BTEX + MTBE Volatiles (2)</b>	<b>Oil</b>	USEPA Method 8260B
	<b>Water</b>	USEPA Method 8260B
	<b>Soil or Sediment</b>	USEPA Method 8260B
<b>TPH - GRO (3)</b>	<b>Oil</b>	USEPA Method 8015C
	<b>Water</b>	USEPA Method 8015C
	<b>Soil or Sediment</b>	USEPA Method 8015C
<b>TPH - DRO (4)</b>	<b>Oil</b>	USEPA Method 8015C
	<b>Water</b>	USEPA Method 8015C
	<b>Soil or Sediment</b>	USEPA Method 8015C
<b>PAH Semi-Volatiles</b>	<b>Oil</b>	USEPA Method 8270D
	<b>Water</b>	USEPA Method 8270D
	<b>Soil or Sediment</b>	USEPA Method 8270D
<b>Acute Toxicity</b>	<b>Oil</b>	(5)
	<b>Water</b>	(5)
	<b>Soil or Sediment</b>	(6)

**Notes:**

- 1) Additional test methods may be used that are specific for the laboratory, matrix/oil type, etc.
- 2) Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX), and Methyl Tertiary Butyl Ether (MTBE) analyses.
- 3) Total Petroleum Hydrocarbons (TPH) - Gasoline Range Organics (GRO) analyses.
- 4) Total Petroleum Hydrocarbons (TPH) - Diesel Range Organics (DRO) analyses.
- 5) See for example EPA-821-R-02-012 (October 2002).
- 6) See for example American Society for Testing and Materials. Standard Guide for Conducting Sediment Toxicity Tests with Polychaetous Annelids. ASTM E1611 – 00 (2007), Vol 11.06, E47.03.

**To:** Tripp, Christopher[tripp.christopher@epa.gov]  
**Cc:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Harper, Greg  
**Sent:** Thur 9/15/2016 12:53:44 AM  
**Subject:** FW: SITREP #5 - Pelham Pipeline Spill  
Pelham Pipeline Spill SITREP 5 09142016.docx

Chris,

Please start with this edited document for tomorrow SITREP. Tomorrow is a new day, it will be good.

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**From:** Moore, Tony  
**Sent:** Wednesday, September 14, 2016 8:45 PM  
**To:** Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** Fwd: SITREP #5 - Pelham Pipeline Spill

Sent from my iPhone

Begin forwarded message:

**From:** "Harper, Greg" <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)>  
**Date:** September 14, 2016 at 8:25:09 PM EDT  
**To:** "Moore, Tony" <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)>  
**Cc:** "Berry, Chuck" <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>, "Tripp, Christopher" <[tripp.christopher@epa.gov](mailto:tripp.christopher@epa.gov)>  
**Subject:** SITREP #5 - Pelham Pipeline Spill

Tony,

Please find the attached SITREP #5 from the Pelham Pipeline Spill.

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

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## **NRC 1158584, Pelham Pipeline Spill Pelham, Shelby County, Alabama**

### **SITUATION REPORT #5**

1800 CDT, September 14, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

#### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

OSC Garrard was mobilized to the site to overlap with OSC Williamson today, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader. OSC Williamson demobilized during this operational period.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increase the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 41% range.

Colonial has managed to remove approximately 178,217 gallons of liquid from Pond 2. Of that volume 48,125 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney arrived at Incident Command Center and integrated into JIC. The JIC set up two interviews with all members of UC, including OSC Berry. The Birmingham, AL news outlets were WBRC and AL.com. Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.

The fire chief deemed the transfer of product from the pipeline to frac tanks was to high risk, therefore operations changed to direct tanker to tanker trucks. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-load.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday

when the sample results were presented during the UC briefing. 9 sampling locations have been established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the other 7 were below detection limits.

### **PLANNED RESPONSE ACTIVITIES**

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

Because UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. EPA OSC has requested two START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts.

- Continue to participate in UC
- Monitor removal activities
- Monitor safety air monitoring
- Participate in the Joint Information Center
- Prepare for and coordinate a transition to a removal phase
- Perform water sampling



**To:** Harper, Greg[Harper.Greg@epa.gov]  
**Cc:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Tripp, Christopher  
**Sent:** Wed 9/14/2016 11:11:23 PM  
**Subject:** RE: Delivery time for SitReps  
Pelham Pipeline Spill SITREP 5 09142016.docx

Greg,

Please find attached the SITREP for Pelham Pipeline Spill.

Thanks,

Chris

**From:** Harper, Greg  
**Sent:** Wednesday, September 14, 2016 6:22 PM  
**To:** Moore, Tony <moore.tony@epa.gov>  
**Cc:** Berry, Chuck <Berry.Chuck@epa.gov>; Tripp, Christopher <tripp.christopher@epa.gov>  
**Subject:** Re: Delivery time for SitReps

Message from Chuck:

Situation report will be delayed one hour due to the UC meeting being delayed one hour due to my TV interview.

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

harper.greg@epa.gov

Sent from my iPhone

On Sep 14, 2016, at 6:11 PM, Moore, Tony <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)> wrote:

Sent from my iPhone

Begin forwarded message:

**From:** <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)>

**Date:** September 14, 2016 at 6:10:00 PM EDT

**To:** Franklin Hill <[hill.franklin@epa.gov](mailto:hill.franklin@epa.gov)>, <[Chaffins.Randall@epa.gov](mailto:Chaffins.Randall@epa.gov)>, "James Webster" <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>

**Subject: Delivery time for SitReps**

To accommodate site meetings at Pelham Gas, the OSC has asked to move the time back to a 1900 delivery time for pending and future SitReps

Sent from my iPhone



## **NRC 1158584, Pelham Pipeline Spill Pelham, Shelby County, Alabama SITUATION REPORT #5**

1800 CDT, September 14, 2016

### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons)– See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Williamson, and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

OSC Garrard was mobilized to the site to overlap with OSC Williamson tomorrow, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out virgin product while simultaneously pressuring the line with nitrogen to increase recovery. This does, however, increase the rate of discharge at the break. LEL levels at the break are too high to initiate recovery efforts here before it discharges to the stream and then the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 41% range.

Colonial has managed to remove approximately 197,507 gallons of liquid from Pond 2. Of that volume 67,415 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain to be separated.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and progress monitoring. Two GST members continue to observe night operations.

James Pickney arrived at Incident Command Center and integrated into Joint Information Center. The JIC set up two interviews with all members of UC, including OSC Berry. The outlets were WBRC and AL.com. Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.

Scrubbers were emplaced at the frac tanks. These are used to reduce vapors from the vac trucks when they are filling the trucks from the pipeline. The fire chief determined the frac tanks in the staging area presented too much of a risk to stay emplaced with all the personnel and equipment. Thus, vac trucks are no longer offloading at the frac tanks and are making a round trip to Colonial's Pelham Junction facility to offload. Colonial is planning to move the tanks as soon as they are empty to a separate staging area.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site. OSC Garrard replaced OSC Williamson as the EPA Operations Section Chief. OSC Tripp integrated into UC as the EPA Situation Unit Leader.

**PLANNED RESPONSE ACTIVITIES**

- Continue to participate in UC
- Monitor removal activities
- Monitor safety air monitoring
- Participate in the Joint Information Center
- Prepare for and coordinate a transition to a removal phase.



**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Crowe, Lamar  
**Sent:** Wed 9/14/2016 9:42:21 PM  
**Subject:** RE: Coordinates for flight location tomorrow  
CR91TFR0914\_1632.pdf

See attached.

Thanks.

G. Lamar Crowe  
Manager, Asset Data Management  
Colonial Pipeline Company  
gcrowe@colpipe.com  
678.762.2259 (office)  
(cell)

**Exemption 6 Personal Privacy**

1 Th. 4:11,12

This message may contain CONFIDENTIAL INFORMATION intended solely for the use of the addressee(s) named above. Any disclosure, distribution, copying or use of the information by others is strictly prohibited. If you have received this message in error, please advise the sender by immediate reply and delete the original message.

-----Original Message-----

**From:** Berry, Chuck [mailto:Berry.Chuck@epa.gov]  
**Sent:** Wednesday, September 14, 2016 5:22 PM  
**To:** Crowe, Lamar <GCrowe@colpipe.com>  
**Subject:** Re: Coordinates for flight location tomorrow

Please print map for 5 o'clock UC meeting

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 14, 2016, at 14:18, Crowe, Lamar <GCrowe@colpipe.com> wrote:

The coordinate provided is 0.62 miles from the potential leak site. A map will be forthcoming.

G. Lamar Crowe  
gcrowe@colpipe.com<mailto:gcrowe@colpipe.com>  
678.762.2259 (office)  
(cell)

**Exemption 6 Personal Privacy**

1 Th. 4:11,12

**From:** Berry, Chuck [mailto:Berry.Chuck@epa.gov]  
**Sent:** Wednesday, September 14, 2016 2:04 PM  
**To:** Crowe, Lamar <GCrowe@colpipe.com>  
**Subject:** Fwd: Coordinates for flight location tomorrow

Chuck Berry  
EPA OSC  
404.859.0970

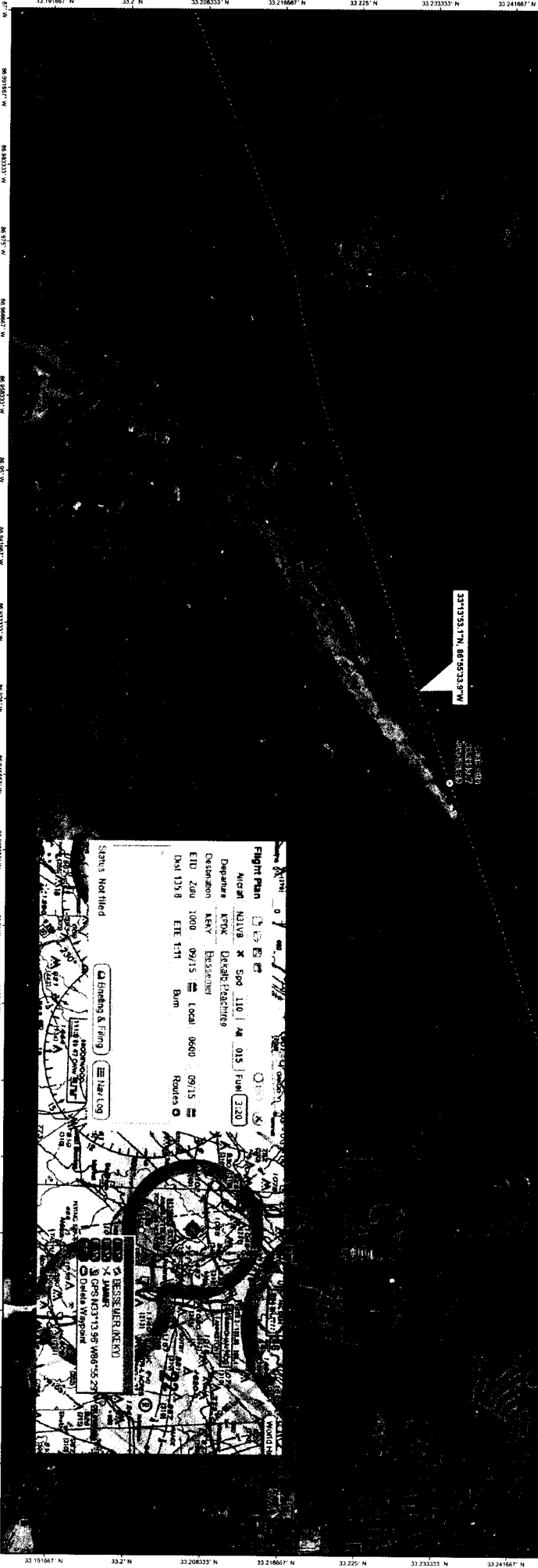
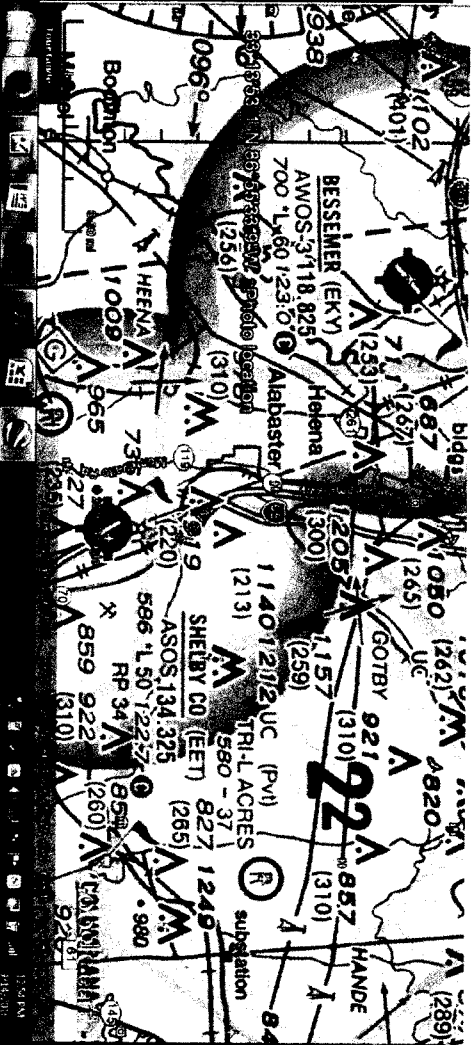
Begin forwarded message:

From: "Kim Kosciusko" <kimkosciusko@yahoo.com<mailto:kimkosciusko@yahoo.com>>  
To: "Berry, Chuck" <Berry.Chuck@epa.gov<mailto:Berry.Chuck@epa.gov>>  
Cc: "awhitaker@prestigehelicopters.com<mailto:awhitaker@prestigehelicopters.com>"  
<awhitaker@prestigehelicopters.com<mailto:awhitaker@prestigehelicopters.com>>, "Mike Russell"  
<mrussell@prestigehelicopters.com<mailto:mrussell@prestigehelicopters.com>>  
Subject: Fw: Coordinates for flight location tomorrow Good afternoon Mr. Berry,

Thank you for forwarding our request. The coordinates for the surveillance flight that is currently scheduled for tomorrow, (marked with the yellow pin) are:  
33°13'53.1"N 86°55'33.9"W. No landing within the TFR is intended.

The second image shows the approach direction from Atlanta and the relative position of the TFR. I can, of course, approach the site from any direction.  
We are in a light piston helicopter and request permission to fly within the TFR.

Respectfully,  
Kim Kosciusko,  
Helicopter pilot,  
Prestige Helicopters  
603 608 5905  
[cid:image001.png@01D20E9B.23F2A530]  
[cid:image002.png@01D20E9B.23F2A530]  
<image001.png>  
<image002.png>



**Flight Plan**

Altitude: 1100  
 Departure: 09/15  
 Destination: 09/15  
 ETD: 09/15  
 Dst: 1218

**Status Not Filed**

☐ Landing & Filing ☐ New Log

**Map**

Map showing the flight path and surrounding terrain. A coordinate label '33 19 1667' is visible at the top.

# Legend

- Leak Site
- Flight Restriction Area
- Colonial Pipeline

## CR 91 Event

Temporary Flight Restriction Map





**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**Cc:** Harper, Greg[Harper.Greg@epa.gov]; Corey CB. Brown[cbrown@bashaservices.com]; Garrard, Jordan[Garrard.Jordan@epa.gov]; Moore, Tony[moore.tony@epa.gov]  
**From:** Johnson, Dora Ann  
**Sent:** Wed 9/14/2016 8:15:51 PM  
**Subject:** Re: Delivery of Mule 6 passanger (2 Bench)

All bases being covered and no delay involved.

Sent from my iPhone

On Sep 14, 2016, at 1:31 PM, Berry, Chuck <Berry.Chuck@epa.gov> wrote:

Dora Ann:

Do we need your approval on these requests? I thought Greg was added to the contract. A "you only" status will impede efficient mobilization of much needed resources.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 14, 2016, at 11:56, Johnson, Dora Ann <Johnson.Dora@epa.gov> wrote:

Please assist Greg and Jordan in this request. Let me know if OT or lodging is required also due to the timing of the request.

Thank you,

**Dora Ann Johnson**

Team Lead / Project Officer

US EPA, Region IV

SD/RSIB/RMS

Phone: 404-562-8737

Cell: 404-754-6339

Email: [Johnson.dora@epa.gov](mailto:Johnson.dora@epa.gov)

**From:** Harper, Greg  
**Sent:** Wednesday, September 14, 2016 12:09 PM  
**To:** Corey CB. Brown <[cbrown@bashaservices.com](mailto:cbrown@bashaservices.com)>  
**Cc:** Johnson, Dora Ann <[Johnson.Dora@epa.gov](mailto:Johnson.Dora@epa.gov)>; Garrard, Jordan <[Garrard.Jordan@epa.gov](mailto:Garrard.Jordan@epa.gov)>; Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>  
**Subject:** Delivery of Mule 6 passanger (2 Bench)

Corey,

Pelham Pipeline Spill has requested the delivery of the 6 passenger (2 Bench) Mule. It needs to be delivered today. Please coordinate the delivery with Jordan Garrad (678) 644-8648. Jordan will provide the delivery location.

The site is Pelham Pipeline Spill, Pelham, AL site ID V4CO

Thank you,

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response Removal and Preparedness Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)



**To:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Harper, Greg  
**Sent:** Wed 9/14/2016 12:30:29 AM  
**Subject:** RE: SITREP #4 - Pelham Pipeline Release  
Pelham Pipeline Spill SITREP 4 09132016 (02).pdf



## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #4**

1800 CDT, September 13, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County

Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Williamson, and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

OSC Garrard was mobilized to the site to overlap with OSC Williamson tomorrow, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

## **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

## **CURRENT OPERATIONS**

The pipeline continues to drain into Pond 2 at a rate of approximately 3 gallons per minute. Colonial has installed both stopples, one currently set and the other is tapping through the pipeline emplacing the plug. The fuel will be vacuumed from the line and into trucks for shipment to the Colonial Pelham terminal.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 489 parts per million (ppm). The highest benzene level recorded was 4.8 ppm. LEL levels remain in the 100% range.

Colonial continues to increase its footprint at the site, building new roads to ease traffic congestion and allow for larger vehicles to access closer locations. A vapor recovery scrubber has been mobilized to the site to aid with vapor emissions. A decontamination pad for trucks has been constructed to decontaminate fuel-contaminated equipment.

Colonial has managed to remove approximately 107,304 gallons of liquid from Pond 2. Of that volume 18,928 gallons of fuel has been recovered and 88,376 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 115,700 gallons of fuel evaporated. 101,291 gallons of fuel is estimated to remain in the pond. These numbers are approximate and will likely change significantly over time.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the

shoreline. The UC will be notified if any petroleum is noted. Significant rainfall may be received on site depending on the actions of a new tropical storm system forming in the Gulf of Mexico.

EPA/GST remains incorporated into Operations and air monitoring. OSC Williamson and two GST members continue on site safety and progress monitoring. Two GST members continue to observe night operations. OSC Williamson briefly met with the Vice President of Colonial during a VIP visit to the work site.

#### **PLANNED RESPONSE ACTIVITIES**

- ☐ ☐ ☐ ☐ ☐ ☐ Continue to participate in UC
- ☐ ☐ ☐ ☐ ☐ ☐ Monitor removal activities
- ☐ ☐ ☐ ☐ ☐ ☐ Monitor safety air monitoring
- ☐ ☐ ☐ ☐ ☐ ☐ Prepare for and coordinate a transition to a removal phase.

**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**Cc:** Moore, Tony[moore.tony@epa.gov]  
**From:** Harper, Greg  
**Sent:** Wed 9/14/2016 12:04:37 AM  
**Subject:** FW: Pelham\_Pipeline\_Spill\_SITREP\_4\_09132016.docx  
Pelham Pipeline Spill SITREP 4 09132016.docx

We will use this version going forward.

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**From:** Moore, Tony  
**Sent:** Tuesday, September 13, 2016 7:51 PM  
**To:** Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** Pelham\_Pipeline\_Spill\_SITREP\_4\_09132016.docx

Use this version, if corrected stuff I corrected yesterday

Thanks





## **NRC 1158584, Pelham Pipeline Spill Pelham, Shelby County, Alabama SITUATION REPORT #4**

1800 CDT, September 13, 2016

### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons)– See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Williamson, and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

OSC Garrard was mobilized to the site to overlap with OSC Williamson tomorrow, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

The pipeline continues to drain into Pond 2 at a rate of approximately 3 gallons per minute. Colonial has installed both stopples, one currently set and the other is tapping through the pipeline emplacing the plug. The fuel will be vacuumed from the line and into trucks for shipment to the Colonial Pelham terminal.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 489 parts per million (ppm). The highest benzene level recorded was 4.8 ppm. LEL levels remain in the 100% range.

Colonial continues to increase its footprint at the site, building new roads to ease traffic congestion and allow for larger vehicles to access closer locations. A vapor recovery scrubber has been mobilized to the site to aid with vapor emissions. A decontamination pad for trucks has been constructed to decontaminate fuel-contaminated equipment.

Colonial has managed to remove approximately 107,304 gallons of liquid from Pond 2. Of that volume 18,928 gallons of fuel has been recovered and 88,376 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 115,700 gallons of fuel evaporated. 101,291 gallons of fuel is estimated to remain in the pond. These numbers are approximate and will likely change significantly over time.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. Significant rainfall may be received on site depending on the actions of a new tropical storm system forming in the Gulf of Mexico.

EPA/GST remains incorporated into Operations and air monitoring. OSC Williamson and two GST members continue on site safety and progress monitoring. Two GST members continue to observe night operations. OSC Williamson briefly met with the Vice President of Colonial during a VIP visit to the work site.

### **PLANNED RESPONSE ACTIVITIES**

- Continue to participate in UC
- Monitor removal activities
- Monitor safety air monitoring
- Prepare for and coordinate a transition to a removal phase.

**From:** Eoc, Epahq  
**Sent:** Tue 9/13/2016 12:56:57 AM  
**Subject:** EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584) – Update #4

**This report is being sent as a bcc to prevent accidental Reply to All messages.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**



## **EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584) – Update #4**

**US Environmental Protection Agency**

**Report as of 2045 ET on 09/12/2016**

**Overview:** On September 9<sup>th</sup> at 1449 ET, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek, a tributary of the Cahaba River. Unified Command reports that at least 100,000 gallons of gasoline have been spilled. At this time, site topography is preventing the gasoline from entering Peel Creek. The pond appears to be a former borrow pit, and only overflows after substantial rain. While this makes containment much easier, it also serves to concentrate the explosive and toxic vapors. The spill location is in a remote location so no evacuations are necessary. The nearest residential neighborhood is located two miles away.

While the pipeline pumps are shut off, the gasoline pipeline continues to drain into Pond 2. The flow rate has lessened over the last day, but visually appears to be approximately 3 gallons per minute. Colonial continues to excavate the pipe, has installed one of the stopples and is currently installing the second. Once both stopples are installed, the fuel will be vacuumed from the line and into trucks for shipment to the Colonial Pelham terminal. Evacuation of the pipeline will be followed by a nitrogen purge to remove all fuel from the line.

Colonial has removed approximately 40,000 gallons of liquid from Pond 2. Of that volume, 5,500 gallons of oil have been separated and 34,500 gallons of mixed oil/water remain. Colonial established a new pumping area on the north end of the pond where vapor levels were lower. Vacuum trucks continue to pump from this location. Colonial is currently planning on placing "frac" tanks in a new location to the north to cut down on transit circuit time for those trucks needing to off-load and return.

The high level of explosive vapors is the greatest limiting factor to recovery operations. Colonial contractor CTEH is on site providing air monitoring services. They have set up an AreaRAE network and are providing roving and escort services for response personnel working inside the hot zone. All personnel entering the hot zone are required to have flame resistant clothing and an air monitoring escort. Action levels for benzene, VOCs and explosive vapors have been established. The work is frequently stopped due to excessive benzene and LEL readings, thus slowing recovery operations. Today's highest VOC level is roughly half of yesterday's level, peaking at 1,564 ppm. The highest LEL levels also dropped to 95%. Benzene levels peaked at only 8 ppm, allowing for more recovery work today.

The diversions designed for Pond 3 are in place, which include a substantial underflow dam at the pond's outfall. No oil sheening is visible along the shoreline at Pond 3. Colonial continues to monitor the pond and will notify Unified Command if any petroleum is observed.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The local fire department used firefighting foam to suppress the explosive vapors. The Shelby County Emergency Management

Association (EMA) responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State- and County-level agencies. An Incident Command post was established in Hoover, Alabama. Four United States Coast Guard (USCG) Gulf Strike Team (GST) members have been assisting with health and safety oversight and response operations.

**EPA Actions:** Two Region 4 OSCs are currently deployed to assist with the response and are integrated into Unified Command. The OSC who served as Deputy Incident Commander last night has now demobilized. EPA and USCG GST members are incorporated into air monitoring efforts. A Community Involvement Coordinator (CIC) is assisting at the Joint Information Center (JIC). At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change. A Natural Resources Trustee consultation was held with a Region 4 Department of Interior representative. Threatened and endangered species in the area of the spill have been identified but are not impacted. A Region 4 OSC reviewed both an Impacted Wildlife Management Plan and Waste Management Plan, with expected approval to implement them tomorrow.

**Media Interest:** Low (local only)

[http://www.al.com/news/birmingham/index.ssf/2016/09/gasoline\\_pipeline\\_leak\\_in\\_shel.html](http://www.al.com/news/birmingham/index.ssf/2016/09/gasoline_pipeline_leak_in_shel.html)

**The HQ EOC will continue to monitor and provide updates as needed.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

Steve Ridenour, Senior Watch Officer

U.S. Environmental Protection Agency

Headquarters Emergency Operations Center

1200 Pennsylvania Ave

Washington, DC 20004

202-564-3850

<mailto:eoc.epahq@epa.gov>

**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**Cc:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Eichinger, Kevin  
**Sent:** Tue 9/13/2016 12:41:45 AM  
**Subject:** Re: SITREP #3 - Pelham Pipeline Release

Both spill and discharge are ok for oil. Cercla is a release. The site name from the start has been Pelham pipeline spill. You are good.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | epaosc.org

On Sep 12, 2016, at 19:40, Berry, Chuck <Berry.Chuck@epa.gov> wrote:

Damn. Just noticed it should be Pelham pipeline "discharge"

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 12, 2016, at 19:32, Harper, Greg <Harper.Greg@epa.gov> wrote:

<image002.jpg>

## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #3**

1800, September 12, 2016

## **INCIDENT DESCRIPTION**

On September 9, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond (Pond 2 on the attached Figure) that feeds into Peel Creek, a tributary of the Cahaba River. The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1000 and 2000 gallons of gasoline entered the pond (the spill volume has been updated to 100,000 gallons in the pond – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the affected transmission line has been shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline. Weather reports indicate that there is an increased risk of rain for Sunday and Monday, September 11<sup>th</sup> and 12<sup>th</sup>.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

## **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and has integrated into Unified Command. The Unified Command structure includes the EPA, Colonial, ADEM, and Shelby County EMA. OSC Williamson, and four US Coast Guard Gulf Strike Team members have been deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

Due to limited overnights operations, OSC Englert demobilized today.

Current number of EPA Personnel Assigned: 2

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 EDT daily.

### **CURRENT OPERATIONS**

Although the pipeline pumps are shut off, the pipeline continues to drain into Pond 2. The flow rate has decreased over the last day, but visually appears to be approximately three gallons per minute. Colonial has installed one of the stopples and is currently installing the second. Once the stopples are installed, the fuel will be vacuumed from the line and into trucks for shipment to the Colonial Pelham terminal. Evacuation of the pipeline will be followed by a nitrogen purge to remove all fuel from the line.

The high level of explosive vapors is the greatest limiting factor to recovery operations. Colonial contractor CTEH is on site providing air monitoring services. They have set up an AreaRAE network and are providing roving and escort services for response personnel working inside the hot zone. All personnel entering the hot zone are required to have flame resistant clothing and an air monitoring escort. Action levels for benzene, VOCs and explosive vapors have been established. The work is frequently stopped due to excessive benzene and LEL readings thus slowing recovery operations. Today's highest VOC level is roughly half of yesterdays, peaking at 1,564 ppm. The highest LEL levels also dropped to 95%. Benzene levels peaked at only 8ppm thus allowing for more recovery work today.

Colonial has managed to remove approximately 40,000 gallons of liquid from Pond 2. Of that volume 5,500 gallons of oil have been separated and 34,500 gallons of mixed oil/water remain. Colonial established a new pumping area on the north end of the pond where vapor levels were lower. Vacuum trucks continue to pump from this location. Colonial is currently planning on placing "frac" tanks in a new location to the north to cut down on transit circuit time for those trucks needing to off-load and return.

The diversions designed for Pond 3 are in place, which include a substantial underflow dam at the pond's outfall. No oil sheening is visible along the shoreline at Pond 3. Colonial continues to monitor the pond and will notify UC if any petroleum is noted.

EPA/GST is incorporated into Operations and air monitoring. OSC Englert and two GST members observed site operations overnight. Colonial has increased its Safety Personnel and air monitoring staffing levels based on input from EPA field personnel. OSC Williamson and two GST members spent the day on site monitoring safety and response progress. EPA/GST assisted Colonial with planning and installation of the Pond 3 augmentation and will continue to coordinate in those efforts. Two GST members will man the overnight shift as FOSCRs.

OSC Berry has reviewed several plans developed by the Planning Section, including an Impacted Wildlife Management and Waste Management plan. There were several revisions needed in the Waste Management Plan. Approval is expected tomorrow.

#### **PLANNED RESPONSE ACTIVITIES**

- ☐ ☐ ☐ ☐ ☐ ☐ Continue to participate in UC
- ☐ ☐ ☐ ☐ ☐ ☐ Monitor removal activities
- ☐ ☐ ☐ ☐ ☐ ☐ Monitor safety air monitoring
- ☐ ☐ ☐ ☐ ☐ ☐ Prepare for and coordinate a transition to a removal phase

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

<Pelham\_Pipeline\_Spill\_SITREP\_3\_09122016.pdf>



**Cc:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Harper, Greg  
**Sent:** Tue 9/13/2016 12:31:59 AM  
**Subject:** SITREP #3 - Pelham Pipeline Release  
Pelham Pipeline Spill SITREP 3 09122016.pdf



## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #3**

1800, September 12, 2016

#### **INCIDENT DESCRIPTION**

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The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County

Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the affected transmission line has been shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline. Weather reports indicate that there is an increased risk of rain for Sunday and Monday, September 11<sup>th</sup> and 12<sup>th</sup>.

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members observed site operations overnight. Colonial has increased its Safety Personnel and air monitoring staffing levels based on input from EPA field personnel. OSC Williamson and two GST members spent the day on site monitoring safety and response progress. EPA/GST assisted Colonial with planning and installation of the Pond 3 augmentation and will continue to coordinate in those efforts. Two GST members will man the overnight shift as FOSCRs.

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#### **PLANNED RESPONSE ACTIVITIES**

- Continue to participate in UC
- Monitor removal activities
- Monitor safety air monitoring
- Prepare for and coordinate a transition to a removal phase

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)



**Antar A. Jamison**

Colonial Pipeline Company

Financial Controls Project Coordinator

Asset Integrity

Direct: 678.762.2619 | Mobile:

**Exemption 6 Personal Privacy**

**To:** timothywynn@adem.alabama.gov[timothywynn@adem.alabama.gov]; Berry, Chuck[Berry.Chuck@epa.gov]  
**Cc:** Piazza, Mark[mpiazza@colpipe.com]; Jamison, Antar[ajamison@colpipe.com]; Lohoff, Drew[dlohoff@colpipe.com]  
**From:** Martinez, Juan  
**Sent:** Mon 9/12/2016 8:02:28 PM  
**Subject:** RE: Situation Map  
CR91Event0911\_2200.pdf

Attached please find the most recently published situation map.

---

Juan David Martinez

Asset Integrity

678 762 2628 (Office)

(Cell)

**Exemption 6 Personal Privacy**

**From:** Jamison, Antar  
**Sent:** Sunday, September 11, 2016 12:17 PM  
**To:** Martinez, Juan  
**Subject:** FW: Situation Map

FYI

**From:** Jamison, Antar  
**Sent:** Sunday, September 11, 2016 12:10 PM  
**To:** 'timothywynn@adem.alabama.gov' <timothywynn@adem.alabama.gov>; 'berry.chuck@epa.gov' <berry.chuck@epa.gov>  
**Cc:** Morgan, Patrece <pmorgan@colpipe.com>; Lohoff, Drew <dlohoff@colpipe.com>; Piazza, Mark <mpiazza@colpipe.com>  
**Subject:** Situation Map

As requested, attached please find the most recently published situation map.



**Legend**

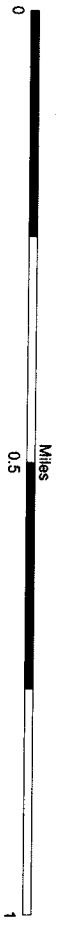
○ Staging Area  
○ Leak Site  
● Boom  
● Air Monitor  
--- Colonial Pipeline

**Boom Type**  
..... Hard Boom  
..... Potential Boom  
Soft Boom  
Underflow Dam  
Spill Plume



# CR 91 Event Situation Status Map

8/11/2016 @ 22:26



## POND INSET

Boom Line #1  
Colonial Pipeline  
33.738627, -88.174462

Boom Line #2  
33.738627, -88.174462



**To:** timothywynn@adem.alabama.gov[timothywynn@adem.alabama.gov]; Berry, Chuck[Berry.Chuck@epa.gov]  
**Cc:** Piazza, Mark[mpiazza@colpipe.com]; Jamison, Antar[ajamison@colpipe.com]; Lohoff, Drew[dlohoff@colpipe.com]  
**From:** Martinez, Juan  
**Sent:** Mon 9/12/2016 4:01:16 PM  
**Subject:** Fwd: Sit Stat Map  
[CR91Event0911\\_2200.pdf](#)  
[ATT00001.htm](#)

Attached please find the most recently published situation map.

Juan David Martinez  
Asset Integrity  
Colonial Pipeline Company

Sent from my iPhone

Begin forwarded message:

**From:** "Crowe, Lamar" <GCrowe@colpipe.com>  
**To:** "Martinez, Juan" <jmartinez@colpipe.com>  
**Subject:** Sit Stat Map

Thanks.  
G. Lamar Crowe  
Manager, Asset Data Management  
Asset Integrity Team  
[gcrowe@colpipe.com](mailto:gcrowe@colpipe.com)<<mailto:gcrowe@colpipe.com>>  
678.762.2259 (office)  
(cell) Exemption 6 Personal Privacy  
1 Th. 4:11,12

This message may contain CONFIDENTIAL INFORMATION intended solely for the use of the addressee(s) named above. Any disclosure, distribution, copying or use of the information by others is strictly prohibited. If you have received this message in error, please advise the sender by immediate reply and delete the original message.



**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**Cc:** Webster, James[Webster.James@epa.gov]; Bates, Lloyd[Bates.Lloyd@epa.gov]; Masterson, Chris[Masterson.Christopher@epa.gov]; R4DutyOSC[R4DutyOSC@epa.gov]; Walker, Darryl[walker.darryl@epa.gov]  
**From:** Harmon, Dave  
**Sent:** Mon 9/12/2016 12:56:32 PM  
**Subject:** Fw: CANAPS Message V4CO - E16444

Your new ceiling.

FPN Ceiling: \$45,000.00  
Direct Amt: \$38,265.00  
Indirect Amt: \$6,735.00

P 111504Z SEP 16  
FM COMCOGARD NPFC WASHINGTON DC//CANAPS//  
TO RHMCSUU/HQ EPA WASHINGTON DC//EOC/CINWD OILSPILL/REGION FOUR//  
INFO CCGDEIGHT NEW ORLEANS LA//DR/DRM//  
CCGDFIVE PORTSMOUTH VA//DR/DRM//  
CCGDSEVEN MIAMI FL//DR/DRM//  
COGARD GST MOBILE AL  
COGARD SILC NORFOLK VA//PCB-1//  
COMDT COGARD WASHINGTON DC//CG-533//  
RHMCSUU/HQ EPA WASHINGTON DC//EOC/CINWD OILSPILL/REGION FOUR//  
BT  
UNCLAS //N16465//  
SUBJ: FPN CEILING AMENDMENT FOR PELHAM PIPELINE SPILL - E16444.

1. AUTHORIZED CEILING IS CHANGED FROM \$10,000.00 TO \$45,000.00.
2. CEILING CHANGE DATE: 11 SEP 2016.
3. INCIDENT LOCATION: PELHAM , AL.
4. EPA FOSC POINT OF CONTACT:
  - A. NAME: CHARLES BERRY.
  - B. PHONE: (404)562-8278.
  - C. FAX: N/A.
  - D. EMAIL: N/A.
5. NPFC POINT OF CONTACT :
  - A. NAME: MR. MIGUEL BELLA.
  - B. PHONE: (703)872-6069.
  - C. CELL PHONE: (202)360-6061.
  - D. FAX: N/A.
  - E. EMAIL: MIGUEL.L.BELLA@USCG.MIL.
6. FOR CG UNITS SUPPORTING THE EPA FOSC:
  - A. CAS ACCOUNTING STRING: 2/V/SZ/172/95/0/E16444/74100/XXXX.  
WHERE XXXX IS OBJECT CLASS.
  - B. DOCUMENT CONTROL NUMBER: DD/16/46/6/V/XZ/YYY.

WHERE DD IS THE DOCUMENT TYPE AND YYY IS THE UNIT SEQUENCE  
NUMBER.

7. FOLLOW NPFC TOPS FOR FUND MANAGEMENT, CEILING MANAGEMENT, AND  
RESOURCE DOCUMENTATION.

8. POLREPS

A. ON ALL POLREPS FOR THIS CASE, FOSC MUST SEND A COPY TO NPFC,  
POC NOTED ABOVE AND TO ARL-PF-NPFCEPAPOLREPS@USCG.MIL.

B. INCLUDE AUTHORIZED CEILING AND DAILY COST DATA ON POLREPS.

9. FORWARD PRFAS, THEIR CERTIFIED INVOICES, AND SUPPORTING COST  
DOCUMENTATION TO NPFC POC NOTED ABOVE.

10. THIS MESSAGE WAS AUTOMATICALLY GENERATED BY THE CANAPS  
SYSTEM.

11. CIMS EMAIL FPN: E16444 TYPE: CEILING AMENDMENT

12. CANAPS ID 111504Z SEP 16

BT

NNNN

**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**Cc:** Berry, Chuck[Berry.Chuck@epa.gov]; Webster, James[Webster.James@epa.gov]; Hill, Franklin[Hill.Franklin@epa.gov]; Chaffins, Randall[Chaffins.Randall@epa.gov]; Moore, Tony[moore.tony@epa.gov]; McGuire, Jim[McGuire.Jim@epa.gov]; Taylor, Matt[Taylor.Matt@epa.gov]; R4 Duty OSC Rotation[R4\_Duty\_OSC\_Rotation@epa.gov]  
**From:** Rigger, Don  
**Sent:** Mon 9/12/2016 1:23:02 AM  
**Subject:** Re: Sunday ERNS Report

Jim - that next Sit Rep will be what I need for staff meeting. Thx

Sent from my iPhone

On Sep 11, 2016, at 4:58 PM, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

10-4

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4 | 61 Forsyth St SW | Atlanta, Georgia | 30303**

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: **404-562-8268** | cell: **678-897-3759** | **epaosc.org**

On Sep 11, 2016, at 16:57, Berry, Chuck <Berry.Chuck@epa.gov> wrote:

There's a UC meeting in 2 minutes. I'll finish sit rep right after.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 11, 2016, at 15:36, Webster, James <Webster.James@epa.gov> wrote:

For morning staff that is. Auto correct is a killer

Sent from my iPhone

On Sep 11, 2016, at 4:35 PM, Webster, James <Webster.James@epa.gov> wrote:

Thanks Kevin

Franklin/Don/Randall

Do you have what u need for not I g staff?

Sent from my iPhone

On Sep 11, 2016, at 4:14 PM, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

**NRC 1158584, Pelham Pipeline Spill, Pelham, Shelby County, Alabama**

SITREP #2 will be sent out at 1800 hours this evening.

**NRC#1158670, Holladay Diesel Spill, Holladay, Benton County, Tennessee**

On September 10, 2016 at 2056, hours, Tennessee Department of Environmental Control (TDEC) requested EPA assistance with an over the road truck accident on Interstate 40 at Exit 133 in Benton, Tennessee. 280 gallons of diesel fuel was spilled as a result of the accident. The Responsible Party (RP) did not have the resources to conduct the cleanup and was unable to contact their insurance. TDEC requested EPA to respond and to conduct the cleanup so the roadway can be reopened. OSC Spurlin and Emergency and Rapid Removal Services (ERRS) contractors were deployed. **Contact OSC Steve Spurlin or see <https://www.epaosc.org/holladaydieselspill> for more information.**

**NRC 1158308, Finley Blvd Mystery Oil Spill, Birmingham, Clay County, Alabama**

On September 6, 2016, at approximately 1709 hours, Alabama Department of Environmental Management (ADEM) requested EPA assistance with an unknown mystery diesel oil spill in Birmingham, Alabama. The spill was contained but threatens Village Creek (a tributary of Bay View Lake and Black Warrior River). An unknown amount of diesel has spilled at this time; however, initial estimates are at least 1000 gallons spilled. On-Scene Coordinator (OSC) Englert, OSC Jardine and Superfund Technical Assessment Response Team Contractors were deployed. **Update:** OSC Englert demobilized on September 9, 2016 but will follow up on the progress of the spill cleanup when he is released from the Pelham Pipeline Spill Response. **Contact OSC Brian Englert or see**

**<https://www.epaosc.org/finleyblvdmysteryspill> for additional information.**

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4 | 61 Forsyth St SW | Atlanta, Georgia | 30303**

**Emergency Response, Removal and Prevention Branch (ERRB)**

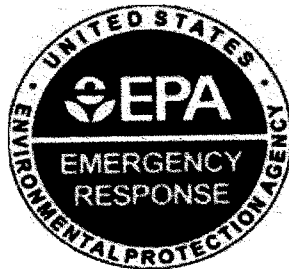
**office: 404-562-8268 | cell: 678-897-3759 | [epaosc.org](https://www.epaosc.org)**



**From:** Eoc, Epahq  
**Sent:** Sun 9/11/2016 11:51:56 PM  
**Subject:** EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584) – Update #3

**This report is being sent as a bcc to prevent accidental Reply to All messages.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**



## **EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584) – Update #3**

**US Environmental Protection Agency**

**Report as of 1945 ET on 09/11/2016**

**Overview:** On September 9<sup>th</sup> at 1449 ET, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek, a tributary of the Cahaba River. Unified Command reports that at least 100,000 gallons of gasoline have been spilled. At this time, site topography is preventing the gasoline from entering Peel Creek. The pond appears to be a former borrow pit, and only overflows after substantial rain. While this makes containment

much easier, it also serves to concentrate the explosive and toxic vapors. In addition, there is an increased change of rain on Sunday, September 11<sup>th</sup> and Monday, September 12<sup>th</sup>. The nearest residential neighborhood is located two miles from the spill location and are not impacted by this spill.

While the pipeline pumps are shut off, the gasoline pipeline continues to drain into Pond 2. The flow rate has lessened over the last day, but visually appears to be approximately 3 gallons per minute. Colonial continues to excavate the pipe and install stopples to block the flow, but hard rock has delayed this process. Colonial currently estimates the pipe to be blocked and evacuated on September 13<sup>th</sup>.

Colonial has removed 18,260 gallons of liquid from Pond 2. The initial tactic of pumping directly into vacuum trucks is being transitioned to pumping into portable tanks first, with vacuum trucks hauling the material to other portable tanks at the staging area. There is no exact figure for the total volume of liquid in Pond 2, but the pond is 1.2 acres in size. Conservative estimates put the total volume approximately 1,000,000 gallons of petroleum-contaminated water (at 3 feet deep).

Currently, Colonial has been unable to pump due to elevated vapor levels; no product removal has occurred for the last 30 hours. Colonial's contractor, CTEH, is on site providing air monitoring services. They have set up an air monitoring network and are also providing roving and escort services for personnel working inside the hot zone. Lower Explosive Level (LEL) readings as high as 99% have been observed for short periods of time. Volatile Organic Compounds (VOC) levels remain high near the pond, with the highest observed level coming from a remote monitor at 2,999 parts per million (ppm). The highest level for Benzene was 366.7 ppm. All personnel entering the hot zone are required to have flame resistant clothing and an air monitoring escort. Action levels for benzene, VOCs and explosive vapors have been set.

A sheen was reported yesterday on Pond 3. Unified Command decided to augment the existing protection, building an underflow dam and emplacing additional boom at the outfall. Subsequent investigation of the sheen showed it was biological in nature. However, it is assumed there is some hydraulic connectivity between Pond 2 and Pond 3. Colonial is investigating additional diversion/collection structures further along the currently-dry Peel creek bed prior to its confluence with the Cahaba River.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The local fire department used firefighting foam to suppress the explosive vapors. The Shelby County Emergency Management Association (EMA) responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State- and County-level agencies. An Incident Command post was established in Hoover, Alabama. Four United States Coast Guard (USCG) Gulf Strike Team (GST) members were requested and will assist with health and safety oversight and response operations.

**EPA Actions:** Three Region 4 OSCs deployed to assist with the response and are integrated into Unified Command, where one is currently assuming the Deputy Incident Commander role for EPA during the overnight shift. EPA and USCG GST members are incorporated into air monitoring efforts. A Community Involvement Coordinator (CIC) is assisting at the Joint Information Center (JIC). At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change. EPA Region 4 will provide Situation Reports (SITREPs) at 1800 ET daily. A Natural Resources Trustee consultation was held with a Region 4 Department of Interior representative. Threatened and endangered species in the area of the spill have been identified but are not impacted.

**Media Interest:** Low (local only);

[http://www.al.com/news/birmingham/index.ssf/2016/09/gasoline\\_pipeline\\_leak\\_in\\_shel.html](http://www.al.com/news/birmingham/index.ssf/2016/09/gasoline_pipeline_leak_in_shel.html)

**The HQ EOC will continue to monitor and provide updates as needed.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

Steve Ridenour, Senior Watch Officer

U.S. Environmental Protection Agency

Headquarters Emergency Operations Center

1200 Pennsylvania Ave

Washington, DC 20004

202-564-3850

<mailto:eoc.epahq@epa.gov>



**Cc:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**From:** Eichinger, Kevin  
**Sent:** Sun 9/11/2016 11:10:05 PM  
**Subject:** SITREP #2 - Pelham Pipeline Release  
Pelham Pipeline Spill SITREP 2 final 09112016.pdf



## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #2**

1800, September 11, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond (Pond 2 on the attached Figure) that feeds into Peel Creek which is a tributary of the Cahaba River. The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1000 and 2000 gallons of gasoline entered the pond (the spill volume has been updated to 100,000 gallons in the pond – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking

water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline. There is an increased risk of rain for Sunday and Monday September 11<sup>th</sup> and 12<sup>th</sup>.

Threatened and endangered species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and has integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Englert, OSC Williamson, and 4 US Coast Guard Gulf Strike Team members have been deployed to assist with field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

Current number of EPA Personnel Assigned: 3

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 EDT daily.

### **CURRENT OPERATIONS**

While the pipeline pumps are shut off, the pipeline continues to drain into Pond 2. The flow rate has lessened over the last day, but visually appears to be approximately 3 gallons per minute. Colonial continues to excavate the pipe and install stopples to block the flow, but hard rock has delayed this process. Colonial currently estimates the pipe to be blocked and evacuated Tuesday. There is no update to the discharge volume.

The high level of explosive vapors is the greatest limiting factor to recovery operations. Colonial contractor CTEH is on site providing air monitoring services. They have set up an air monitoring network and are also providing roving and escort services for personnel working inside the hot zone. Lower Explosive Level (LEL) readings as high as 99% have been observed for short periods of time. Volatile Organic Compounds (VOC) levels remain high near the pond, with the highest observed level coming from a remote monitor at 2,999 parts per million (ppm). Benzene is also being monitored for, with a highest reading of 366.7 ppm. All personnel entering the hot zone are required to have flame resistant clothing and an air monitoring escort. Action levels for benzene, VOCs and explosive vapors have been set. Work is frequently stopped due to excess benzene and LEL readings, slowing recovery.

See the attached map for the layout of the emergency response site

Colonial has removed 18260 gallons of liquid from Pond 2. The initial tactic of pumping directly into vacuum trucks is being transitioned to pumping into portable tanks first, with vacuum trucks hauling the material to other portable tanks at the staging area. Currently, Colonial has been unable to pump due to elevated vapor levels; no product removal has occurred for the last 30 hours. There is no exact figure for the total volume of liquid in Pond 2, but the pond is 1.2 acres in size. Conservative estimates put the total volume approximately 1,000,000 gallons of petroleum contaminated water (3 feet deep).

Sheen was reported yesterday on Pond 3. UC decided to augment the existing protection, building an underflow dam and emplacing additional boom at the outfall. Subsequent investigation of the sheen showed it was biological in nature. However, it is assumed there is some hydraulic connectivity between the two ponds. Colonial is investigating additional diversion/collection structures further along the currently-dry Peel creek bed prior to its

confluence with the Cahaba.

EPA/GST is incorporated into Operations and air monitoring. OSC Williamson and 2 GST members spent today on site monitoring safety and progress. EPA/GST assisted Colonial with installation and planning of the Pond 3 augmentation and will continue to coordinate those efforts. OSC Englert is assuming Deputy Incident Commander role for EPA during the overnight shift, but will maintain a field presence. Two GST members will also assist with the overnight shift.

-

#### **PLANNED RESPONSE ACTIVITIES**

- Continue to participate in UC
- Monitor removal activities
- Monitor safety air monitoring
- Review and monitor the contingency booms and diversion activities in preparation for future rain events. It should be noted that, based on the best available information now (which is limited due to terrain, vapors, and thick forest) there is little expectation for overtopping of the pond due to the small amounts of rain expected, based on NWS predictions.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4 | 61 Forsyth St SW | Atlanta, Georgia | 30303**

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | [epaosc.org](http://epaosc.org)

**To:** Webster, James[Webster.James@epa.gov]  
**Cc:** Hill, Franklin[Hill.Franklin@epa.gov]; Chaffins, Randall[Chaffins.Randall@epa.gov]; Rigger, Don[Rigger.Don@epa.gov]; Moore, Tony[moore.tony@epa.gov]; McGuire, Jim[McGuire.Jim@epa.gov]; Taylor, Matt[Taylor.Matt@epa.gov]; R4 Duty OSC Rotation[R4\_Duty\_OSC\_Rotation@epa.gov]; Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Eichinger, Kevin  
**Sent:** Sun 9/11/2016 10:04:43 PM  
**Subject:** Re: Sunday ERNS Report

The UC meeting is running late. The SITREP will be delayed by 30 minutes.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | epaosc.org

On Sep 11, 2016, at 16:57, Berry, Chuck <Berry.Chuck@epa.gov> wrote:

There's a UC meeting in 2 minutes. I'll finish sit rep right after.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 11, 2016, at 15:36, Webster, James <Webster.James@epa.gov> wrote:

For morning staff that is. Auto correct is a killer

Sent from my iPhone

On Sep 11, 2016, at 4:35 PM, Webster, James <Webster.James@epa.gov> wrote:

Thanks Kevin  
Franklin/Don/Randall  
Do you have what u need for not I g staff?

Sent from my iPhone

On Sep 11, 2016, at 4:14 PM, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

**NRC 1158584, Pelham Pipeline Spill, Pelham, Shelby County, Alabama**

SITREP #2 will be sent out at 1800 hours this evening.

**NRC#1158670, Holladay Diesel Spill, Holladay, Benton County, Tennessee**

On September 10, 2016 at 2056, hours, Tennessee Department of Environmental Control (TDEC) requested EPA assistance with an over the road truck accident on Interstate 40 at Exit 133 in Benton, Tennessee. 280 gallons of diesel fuel was spilled as a result of the accident. The Responsible Party (RP) did not have the resources to conduct the cleanup and was unable to contact their insurance. TDEC requested EPA to respond and to conduct the cleanup so the roadway can be reopened. OSC Spurlin and Emergency and Rapid Removal Services (ERRS) contractors were deployed. **Contact OSC Steve Spurlin or see <https://www.epaosc.org/holladaydieselspill> for more information.**

**NRC 1158308, Finley Blvd Mystery Oil Spill, Birmingham, Clay County, Alabama**

On September 6, 2016, at approximately 1709 hours, Alabama Department of Environmental Management (ADEM) requested EPA assistance with an unknown mystery diesel oil spill in Birmingham, Alabama. The spill was contained but threatens Village Creek (a tributary of Bay View Lake and Black Warrior River). An unknown amount of diesel has spilled at this time; however, initial estimates are at least 1000 gallons spilled. On-Scene Coordinator (OSC) Englert, OSC Jardine and Superfund Technical Assessment Response Team Contractors were deployed. **Update:** OSC Englert demobilized on September 9, 2016 but will follow up on the progress of the spill cleanup when he is released from the Pelham Pipeline Spill Response. **Contact OSC Brian Englert or see <https://www.epaosc.org/finleyblvdmysteryspill> for additional information.**

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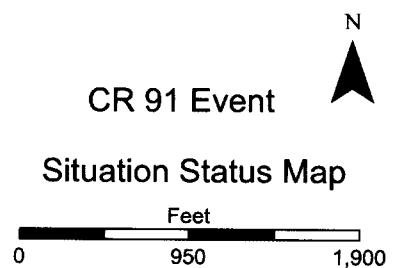
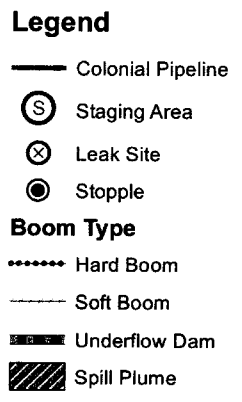
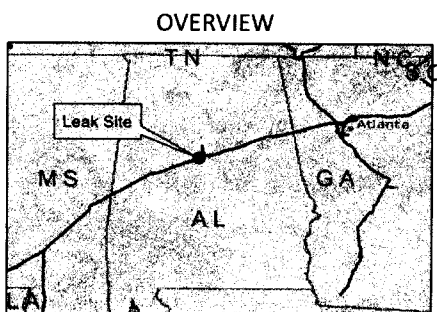
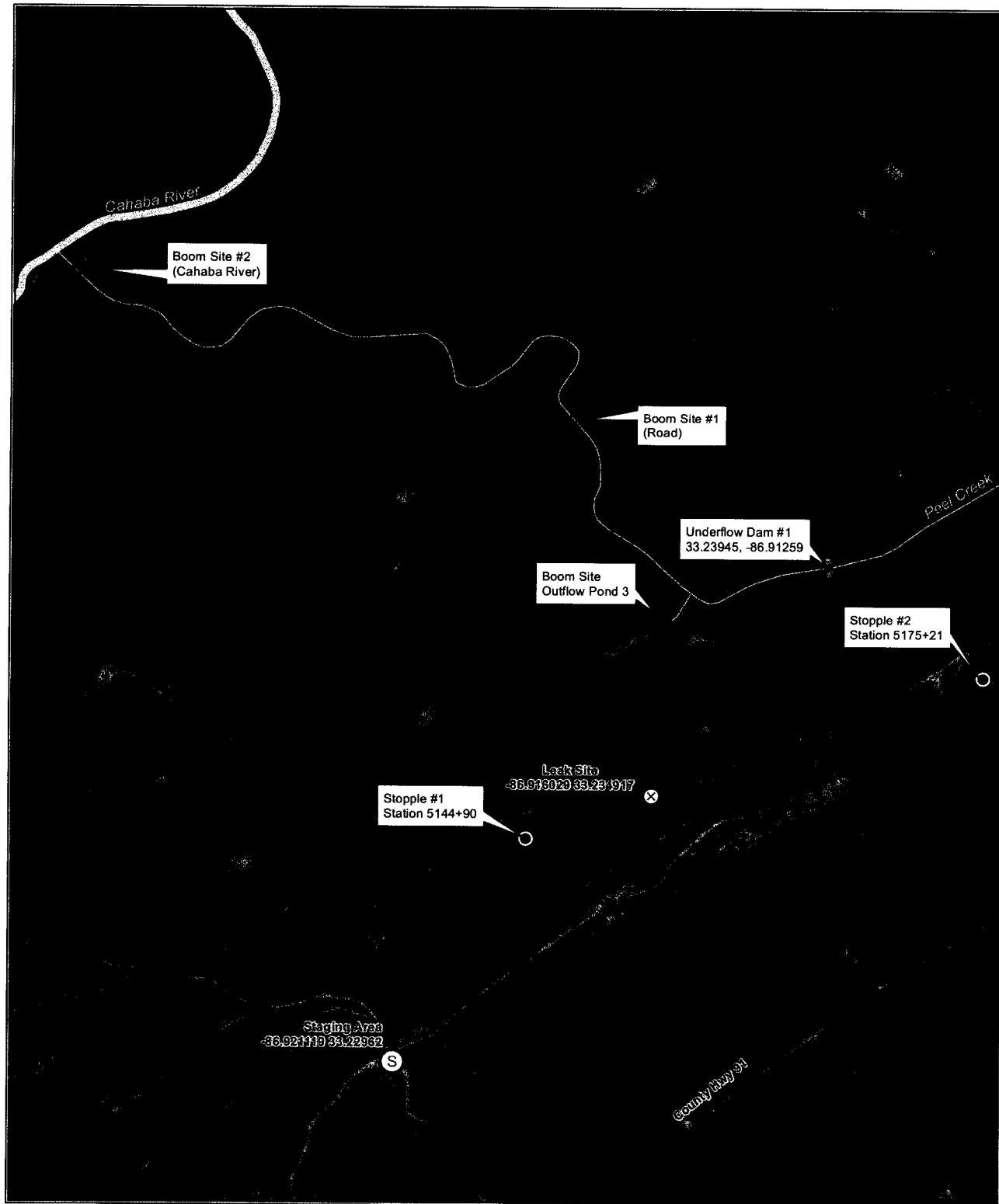
**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | [epaosc.org](http://epaossc.org)





*Journal of Management Education*

**To:** timothywynn@adem.alabama.gov[timothywynn@adem.alabama.gov]; Berry, Chuck[Berry.Chuck@epa.gov]  
**Cc:** Morgan, Patrece[pmorgan@colpipe.com]; Lohoff, Drew[dlohoff@colpipe.com]; Piazza, Mark[mpiazza@colpipe.com]  
**From:** Jamison, Antar  
**Sent:** Sun 9/11/2016 4:10:14 PM  
**Subject:** Situation Map  
Situation MAP - CR91Event0911\_0850.pdf

As requested, attached please find the most recently published situation map.



**Antar A. Jamison**

Colonial Pipeline Company

Financial Controls Project Coordinator

Asset Integrity

Direct: 678.762.2619 | Mobile:

**Exemption 6 Personal Privacy**



**To:** Pinkney, James[Pinkney.James@epa.gov]  
**Cc:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** York, David W.  
**Sent:** Sat 9/10/2016 11:35:40 PM  
**Subject:** RE: Colonial Spill Update #3

Thank you for the review. We will issue another update tomorrow morning. I will send to you for review.

David York  
Senior Project Manager, PMP  
Colonial Pipeline Company  
Office: 678-762-2568 **Exemption 6 Personal Privacy**  
Cell:  
dyork@colpipe.com

-----Original Message-----

From: Pinkney, James [mailto:Pinkney.James@epa.gov]  
Sent: Saturday, September 10, 2016 7:34 PM  
To: York, David W.  
Cc: Berry, Chuck  
Subject: Re: Colonial Spill Update #3

David,

Looks good.

James

Sent from my iPhone

> On Sep 10, 2016, at 6:07 PM, York, David W. <DYork@colpipe.com> wrote:

>

> James; attached is the update we are proposing to post within the next hour. Please review and let me know if you have any concerns.

>

> David York

> Senior Project Manager, PMP

> Colonial Pipeline Company

> Office: 678-762-2568

**Exemption 6 Personal Privacy**

> Cell:

> dyork@colpipe.com

> <CR91 Event - Update #3.docx>



**To:** York, David W.[DYork@colpipe.com]  
**Cc:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Pinkney, James  
**Sent:** Sat 9/10/2016 11:33:35 PM  
**Subject:** Re: Colonial Spill Update #3

David,

Looks good.

James

Sent from my iPhone

> On Sep 10, 2016, at 6:07 PM, York, David W. <DYork@colpipe.com> wrote:

>

> James; attached is the update we are proposing to post within the next hour. Please review and let me know if you have any concerns.

>

> David York

> Senior Project Manager, PMP

> Colonial Pipeline Company

> Office: 678-762-2568

> Cell:

> dyork@colpipe.com

> <CR91 Event - Update #3.docx>

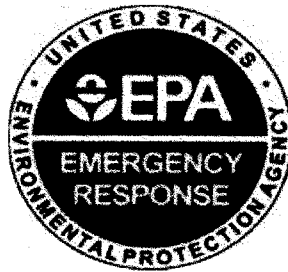
**Exemption 6 Personal Privacy**



**From:** Eoc, Epahq  
**Sent:** Sat 9/10/2016 11:17:13 PM  
**Subject:** EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584) – Update #2

**This report is being sent as a bcc to prevent accidental Reply to All messages.**

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## **EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584) – Update #2**

**US Environmental Protection Agency**

**Report as of 1915 ET on 09/10/2016**

**Overview:** On September 9<sup>th</sup> at 1449 ET, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek, a tributary of the Cahaba River. Unified Command reports that at least 100,000 gallons of gasoline have been spilled. Response crews completed a complicated Level B entry first thing this morning (September 10) to physically measure the thickness of the gasoline product on the pond. The total thickness on the pond is

currently estimated to be 3.25 inches. Colonial Pipeline has managed to briefly operate a pump and removed an estimated 16,000 gallons of liquid from the pond. However, if the pond is estimated to conservatively be three feet deep, there could be over a million gallons of liquid in the pond. Colonial Pipeline is currently devising plans to deal with this volume on site. Temporary storage tanks have been mobilized to the site, but their capacity is currently about 250,000 gallons. Off-site storage is available, but transportation out of the remote area will complicate and delay this option.

Response efforts are currently focusing on responder health and safety and installing controls to prevent the spill from entering Peel Creek. Colonial Pipeline's pumping is currently on hold as benzene levels and LEL readings have risen too high around the vacuum truck to safely operate the equipment. The spill location is in a very remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location. At this time, site topography is preventing the gasoline from entering Peel Creek. The pond appears to be a former borrow pit, and only overflows after substantial rain. While this makes containment much easier, it also serves to concentrate the explosive and toxic vapors. In addition, there is an increased change of rain on Sunday, September 11<sup>th</sup> and Monday, September 12<sup>th</sup>.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The local fire department used firefighting foam to suppress the explosive vapors. The Shelby County Emergency Management Association (EMA) responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State- and County-level agencies. An Incident Command post was established in Hoover, Alabama. Four United States Coast Guard (USCG) Gulf Strike Team (GST) members were requested and will assist with health and safety oversight.

**EPA Actions:** Three Region 4 OSCs have been deployed to assist with the response and are integrated into Unified Command. A Community Involvement Coordinator (CIC) was requested and will assist at the Joint Information Center (JIC). At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change. EPA Region 4 will provide Situation Reports (SITREPs) at 1800 ET daily. A Natural Resources Trustee consultation was held with a Region 4 Department of Interior representative. Threatened and endangered species in the area of the spill have been identified.

**Media Interest:** Low (local only)

**The HQ EOC will continue to monitor and provide updates as needed.**

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Steve Ridenour, Senior Watch Officer

U.S. Environmental Protection Agency

Headquarters Emergency Operations Center

1200 Pennsylvania Ave

Washington, DC 20004

202-564-3850

<mailto:eoc.epahq@epa.gov>



**Cc:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**From:** Eichinger, Kevin  
**Sent:** Sat 9/10/2016 10:47:22 PM  
**Subject:** SITREP #1 - Pelham Pipeline Release



## **NRC 1158584, Pelham Pipeline Spill, Pelham, Shelby County, Alabama**

### **SITUATION REPORT #1**

1800, September 10, 2016

-  
-

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into the Peel Creek which is a tributary of the Cahaba River. The exact amount of the release was unknown; however, Colonial Pipeline initially estimated that between 1000 and 2000 gallons of gasoline entered the pond (the spill volume has been updated to 100,000 gallons in the pond – See "Current Operations" for more information). The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location.

Shelby County Emergency Management responded and confirmed that there are no

public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post has been established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location.

At this time, site topography is preventing the gasoline from entering Peel Creek. The pond appears to be a former borrow pit, and only overflows after substantial rain. While this makes containment much easier, it also serves to concentrate the explosive and toxic vapors. Initial response efforts are focusing on responder health and safety and installing controls to prevent downstream migration if a sufficient rain event were to occur.

Colonial Pipeline has confirmed that the impacted transmission line has been shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline. There is an increased risk of rain for Sunday and Monday September 11<sup>th</sup> and 12<sup>th</sup>.

Threatened and endangered species in the area of the spill have been identified and communicated to Unified Command.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

## **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and has integrated into Unified Command. A Natural Resources Trustee consult was held with the Region 4 Department of Interior Representative. OSC Englert and OSC Williamson have been deployed to assist within Unified Command as have 4 US Coast

Guard Gulf Strike Team members. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

Current number of EPA Personnel Assigned: 3

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members:  
4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 EDT daily.

### **CURRENT OPERATIONS**

- Site access remains the largest obstacle to remediation. Not only from the poor roads and remote location, but the inability of personnel to approach the pond due to high explosive atmosphere readings and toxic vapors. Despite the use of respiratory protection, the potential for a catastrophic fire limits response efforts.
- Initial volume estimates were not based on information from the pipeline system: the system noted no pressure loss. The last time the property owners observed the impacted pond was 2 weeks ago, which means that a slow leak may have been present for a long period of time resulting in little to no appreciable volume loss in any instantaneous measurement.
- The initial volume reported was based solely on visual estimates of first responders' impressions of the pond visually. Colonial made an estimated volume update on September 9th based on better information from the field. However, this was still unsupported by hard data. Response crews completed a complicated Level B entry first thing this morning to physically measure the thickness of the product on the pond. The total thickness on the pond is currently estimated to be 3.25 inches.
- Colonial has managed to briefly operate a pump and removed an estimated 16,000 gallons of liquid from the pond. However, if the pond is estimated to conservatively be 3 feet deep, there is over a million gallons of liquid in the pond. Colonial is currently devising plans to deal with this volume on site. Temporary storage tanks have been mobilized to the site, but their capacity is currently about 250,000 gallons. Colonial has off-site storage available also, but transportation out of the remote area will complicate and delay these efforts.

- ████████ Colonial's pumping is currently on hold as benzene levels and LEL readings have risen too high around the vacuum truck to safely operate the equipment.

- ████████ EPA/GST is currently incorporating into Operations and air monitoring. If removal operations start back up overnight, EPA will monitor the safety and air monitoring activities.

-

### **PLANNED RESPONSE ACTIVITIES**

- ████████ Continue to participate in UC

- ████████ Monitor removal activities

- ████████ Monitor safety air monitoring

- ████████ Review and monitor the contingency booms and diversion activities in preparation for future rain events. It should be noted that, based on the best available information now (which is limited due to terrain, vapors, and thick forest) there is little expectation for overtopping of the pond due to the small amounts of rain expected, based on NWS predictions.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4 | 61 Forsyth St SW | Atlanta, Georgia | 30303**

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | [epaosc.org](http://epaosc.org)

**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Moore, Tony  
**Sent:** Sat 9/10/2016 9:35:30 PM  
**Subject:** Re: UPDATE - Special ERNS Report, Pelham Pipeline Spill

We don't have to talk I just need to get those two issues in front of you

Sent from my iPhone

On Sep 10, 2016, at 5:16 PM, Berry, Chuck <Berry.Chuck@epa.gov> wrote:

updating sitrep. can it wait? or is it about the sitrep?

Chuck Berry

On-Scene Coordinator

US Environmental Protection Agency

61 Forsyth Street, 11th Floor

Atlanta, GA 30303

404.562.8278 (Office)

404.859.0970 (Cell)

[berry.chuck@epa.gov](mailto:berry.chuck@epa.gov)

---

**From:** Moore, Tony  
**Sent:** Saturday, September 10, 2016 17:08  
**To:** Berry, Chuck  
**Subject:** Re: UPDATE - Special ERNS Report, Pelham Pipeline Spill

When you find time call me I want to discuss two things with you

Sent from my iPhone

On Sep 10, 2016, at 4:43 PM, Berry, Chuck <Berry.Chuck@epa.gov> wrote:

Earlier reports were no since all notifications made. Let me know if different.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 10, 2016, at 15:23, Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

Do we need an RRT call?

Sent from my iPhone

Begin forwarded message:

**From:** "Eichinger, Kevin" <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>  
**Date:** September 10, 2016 at 12:30:41 PM EDT  
**Cc:** "Eichinger, Kevin" <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>  
**Subject:** UPDATE - Special ERNS Report, Pelham Pipeline Spill

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## **Special ERNS Report #2: Region 4, NRC 1158584, Pelham Pipeline Spill, Pelham, Shelby County, Alabama**

**US Environmental Protection Agency**

**Report as of September 10, 2016 1230 EDT**

**Overview:** On September 9, 2016, at 1449 hours, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into the Peel Creek which is a tributary of the Cahaba River. The exact amount of the release is unknown; however, Colonial Pipeline initially estimated that between 1000 and 2000 gallons of gasoline has entered the pond. The spill volume has been updated from the original estimate. Unified Command now reports that at least 100,000 gallons of gasoline has been released.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The local fire department used firefighting foam to suppress the explosive vapors. Shelby County Emergency Management

responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post has been established in Hoover, Alabama. Colonial Pipeline has confirmed that the impacted transmission line has been shut down. Environmental contractors for Colonial Pipeline are responding to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline. Rain is forecasted for Sunday and Monday September 11<sup>th</sup> and 12<sup>th</sup>.

**EPA Actions:** On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and he integrated into Unified Command. A Natural Resources Trustee consult was held with the Region 4 Department of Interior Representative. Threatened and endangered species in the area of the spill have been identified and communicated to the OSC. The spill location is in a very remote area and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location. At this time, site topography is preventing the gasoline from entering Peel Creek. Initial response efforts are focusing on responder health and safety and installing controls to prevent the spill from entering Peel Creek. OSC Englert and OSC Williamson have been deployed to assist within Unified Command. A Community Involvement Coordinator (CIC) was requested and will assist in the Joint Information Center. Four United States Coast Guard (USCG) Gulf Strike Team (GST) Members were requested and will assist with health and safety oversight.

**Media Interest:** Local only at this time .

**National Response Center: 1-800-424-8802**  
**Phone Duty E-Mail: R4DUTYOSC@EPA.GOV**  
**Phone Duty MOBILE #: 404-242-3393**

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**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Moore, Tony  
**Sent:** Sat 9/10/2016 9:19:53 PM  
**Subject:** Re: UPDATE - Special ERNS Report, Pelham Pipeline Spill

No it's about a possible RRT issue:an in situ burn of any residual gas in the soil and the possible need for 311 order

Sent from my iPhone

On Sep 10, 2016, at 5:16 PM, Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)> wrote:

updating sitrep. can it wait? or is it about the sitrep?

Chuck Berry

On-Scene Coordinator

US Environmental Protection Agency

61 Forsyth Street, 11th Floor

Atlanta, GA 30303

404.562.8278 (Office)

404.859.0970 (Cell)

[berry.chuck@epa.gov](mailto:berry.chuck@epa.gov)

---

**From:** Moore, Tony  
**Sent:** Saturday, September 10, 2016 17:08  
**To:** Berry, Chuck  
**Subject:** Re: UPDATE - Special ERNS Report, Pelham Pipeline Spill

When you find time call me I want to discuss two things with you

Sent from my iPhone

On Sep 10, 2016, at 4:43 PM, Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)> wrote:

Earlier reports were no since all notifications made. Let me know if different.

Chuck Berry  
EPA OSC

404.859.0970

On Sep 10, 2016, at 15:23, Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)> wrote:

Do we need an RRT call?

Sent from my iPhone

Begin forwarded message:

**From:** "Eichinger, Kevin" <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>  
**Date:** September 10, 2016 at 12:30:41 PM EDT  
**Cc:** "Eichinger, Kevin" <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>  
**Subject:** UPDATE - Special ERNS Report, Pelham Pipeline Spill

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## **Special ERNS Report #2: Region 4, NRC 1158584, Pelham Pipeline Spill, Pelham, Shelby County, Alabama**

US Environmental Protection Agency

Report as of September 10, 2016 1230 EDT

**Overview:** On September 9, 2016, at 1449 hours, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into the Peel Creek which is a tributary of the Cahaba River. The exact amount of the release is unknown; however, Colonial Pipeline initially estimated that between 1000 and 2000 gallons of gasoline has entered the pond. The spill volume has been updated from the original estimate. Unified Command now reports that at least 100,000 gallons of gasoline has been released.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The local fire department used firefighting

foam to suppress the explosive vapors. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post has been established in Hoover, Alabama. Colonial Pipeline has confirmed that the impacted transmission line has been shut down. Environmental contractors for Colonial Pipeline are responding to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline. Rain is forecasted for Sunday and Monday September 11<sup>th</sup> and 12<sup>th</sup>.

**EPA Actions:** On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and he integrated into Unified Command. A Natural Resources Trustee consult was held with the Region 4 Department of Interior Representative. Threatened and endangered species in the area of the spill have been identified and communicated to the OSC. The spill location is in a very remote area and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location. At this time, site topography is preventing the gasoline from entering Peel Creek. Initial response efforts are focusing on responder health and safety and installing controls to prevent the spill from entering Peel Creek. OSC Englert and OSC Williamson have been deployed to assist within Unified Command. A Community Involvement Coordinator (CIC) was requested and will assist in the Joint Information Center. Four United States Coast Guard (USCG) Gulf Strike Team (GST) Members were requested and will assist with health and safety oversight.

**Media Interest:** Local only at this time .

**National Response Center: 1-800-424-8802**  
**Phone Duty E-Mail: R4DUTYOSC@EPA.GOV**  
**Phone Duty MOBILE #: 404-242-3393**

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**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Moore, Tony  
**Sent:** Sat 9/10/2016 9:08:40 PM  
**Subject:** Re: UPDATE - Special ERNS Report, Pelham Pipeline Spill

When you find time call me I want to discuss two things with you

Sent from my iPhone

On Sep 10, 2016, at 4:43 PM, Berry, Chuck <Berry.Chuck@epa.gov> wrote:

Earlier reports were no since all notifications made. Let me know if different.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 10, 2016, at 15:23, Webster, James <Webster.James@epa.gov> wrote:

Do we need an RRT call?

Sent from my iPhone

Begin forwarded message:

**From:** "Eichinger, Kevin" <Eichinger.Kevin@epa.gov>  
**Date:** September 10, 2016 at 12:30:41 PM EDT  
**Cc:** "Eichinger, Kevin" <Eichinger.Kevin@epa.gov>  
**Subject:** UPDATE - Special ERNS Report, Pelham Pipeline Spill

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**Special ERNS Report #2: Region 4, NRC  
1158584, Pelham Pipeline Spill, Pelham, Shelby  
County, Alabama**

## **US Environmental Protection Agency**

**Report as of September 10, 2016 1230 EDT**

**Overview:** On September 9, 2016, at 1449 hours, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into the Peel Creek which is a tributary of the Cahaba River. The exact amount of the release is unknown; however, Colonial Pipeline initially estimated that between 1000 and 2000 gallons of gasoline has entered the pond. The spill volume has been updated from the original estimate. Unified Command now reports that at least 100,000 gallons of gasoline has been released.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The local fire department used firefighting foam to suppress the explosive vapors. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post has been established in Hoover, Alabama. Colonial Pipeline has confirmed that the impacted transmission line has been shut down. Environmental contractors for Colonial Pipeline are responding to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline. Rain is forecasted for Sunday and Monday September 11<sup>th</sup> and 12<sup>th</sup>.

**EPA Actions:** On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and he integrated into Unified Command. A Natural Resources Trustee consult was held with the Region 4 Department of Interior Representative. Threatened and endangered species in the area of the spill have been identified and communicated to the OSC. The spill location is in a very remote area and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location. At this time, site topography is preventing the gasoline from entering Peel Creek. Initial response efforts are focusing on responder health and safety and installing controls to prevent the spill from entering Peel Creek. OSC Englert and OSC Williamson have been deployed to assist within Unified Command. A

Community Involvement Coordinator (CIC) was requested and will assist in the Joint Information Center. Four United States Coast Guard (USCG) Gulf Strike Team (GST) Members were requested and will assist with health and safety oversight.

**Media Interest:** Local only at this time .

**National Response Center: 1-800-424-8802**  
**Phone Duty E-Mail: R4DUTYOSC@EPA.GOV**  
**Phone Duty MOBILE #: 404-242-3393**

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**To:** Andrew, Gary[Andrew.Gary@epa.gov]; Moore, Tony[moore.tony@epa.gov]; Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Webster, James  
**Sent:** Sat 9/10/2016 8:23:58 PM  
**Subject:** Fwd: UPDATE - Special ERNS Report, Pelham Pipeline Spill

Do we need an RRT call?

Sent from my iPhone

Begin forwarded message:

**From:** "Eichinger, Kevin" <Eichinger.Kevin@epa.gov>  
**Date:** September 10, 2016 at 12:30:41 PM EDT  
**Cc:** "Eichinger, Kevin" <Eichinger.Kevin@epa.gov>  
**Subject:** UPDATE - Special ERNS Report, Pelham Pipeline Spill

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## **Special ERNS Report #2: Region 4, NRC 1158584, Pelham Pipeline Spill, Pelham, Shelby County, Alabama**

**US Environmental Protection Agency**

**Report as of September 10, 2016 1230 EDT**

**Overview:** On September 9, 2016, at 1449 hours, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into the Peel Creek which is a tributary of the Cahaba River. The exact amount of the release is unknown; however, Colonial Pipeline initially estimated that between 1000 and 2000 gallons of gasoline has entered the pond. The spill volume has been updated from the original estimate. Unified Command now reports that at least 100,000 gallons of gasoline has been released.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The local fire department used firefighting foam to suppress the explosive vapors. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post has been established in Hoover, Alabama. Colonial Pipeline has confirmed that the impacted transmission line has been shut down. Environmental contractors for Colonial Pipeline are responding to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline. Rain is forecasted for Sunday and Monday September 11<sup>th</sup> and 12<sup>th</sup>.

**EPA Actions:** On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and he integrated into Unified Command. A Natural Resources Trustee consult was held with the Region 4 Department of Interior Representative. Threatened and endangered species in the area of the spill have been identified and communicated to the OSC. The spill location is in a very remote area and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location. At this time, site topography is preventing the gasoline from entering Peel Creek. Initial response efforts are focusing on responder health and safety and installing controls to prevent the spill from entering Peel Creek. OSC Englert and OSC Williamson have been deployed to assist within Unified Command. A Community Involvement Coordinator (CIC) was requested and will assist in the Joint Information Center. Four United States Coast Guard (USCG) Gulf Strike Team (GST) Members were requested and will assist with health and safety oversight.

**Media Interest:** Local only at this time .

**National Response Center: 1-800-424-8802**  
**Phone Duty E-Mail: [R4DUTYOSC@EPA.GOV](mailto:R4DUTYOSC@EPA.GOV)**  
**Phone Duty MOBILE #: 404-242-3393**

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**From:** Eoc, Epahq  
**Sent:** Sat 9/10/2016 5:16:16 PM  
**Subject:** EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584) – Update #1

**This report is being sent as a bcc to prevent accidental Reply to All messages.**

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## **EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584) – Update #1**

**US Environmental Protection Agency**

**Report as of 1315 ET on 09/10/2016**

**Overview:** On September 9<sup>th</sup> at 1449 ET, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek, a tributary of the Cahaba River. The exact amount of the spill is unknown at this time, but Colonial Pipeline initially estimated that between 1000-2000 gallons of

gasoline has entered the pond. The spill volume has been updated from the original estimate; Unified Command now reports that at least 100,000 gallons of gasoline have been spilled. Colonial Pipeline has confirmed that the impacted transmission line has been shut down and its environmental contractors are responding to conduct air monitoring and remediation activities.

Work to remediate the spill is delayed due to high concentrations of volatile organic compounds (VOCs) emitted by the large areas of pooled gasoline. Rain is forecasted for Sunday, September 11<sup>th</sup> and Monday, September 12<sup>th</sup>. The spill location is in a very remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location. At this time, site topography is preventing the gasoline from entering Peel Creek. Initial response efforts are focusing on responder health and safety and installing controls to prevent the spill from entering Peel Creek.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The local fire department used firefighting foam to suppress the explosive vapors. The Shelby County Emergency Management Association (EMA) responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State- and County-level agencies. An Incident Command post was established in Hoover, Alabama. Four United States Coast Guard (USCG) Gulf Strike Team (GST) members were requested and will assist with health and safety oversight.

**EPA Actions:** A Region 4 OSC was initially deployed to assist with the response and has integrated into Unified Command. Two additional OSCs have now been deployed to assist within Unified Command. A Community Involvement Coordinator (CIC) was also requested and will assist at the Joint Information Center (JIC). A Natural Resources Trustee consultation was held with a Region 4 Department of Interior representative. Threatened and endangered species in the area of the spill have been identified.

**Media Interest:** Low (local only)

**The HQ EOC will continue to monitor and provide updates as needed.**

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Steve Ridenour, Senior Watch Officer

U.S. Environmental Protection Agency

Headquarters Emergency Operations Center

1200 Pennsylvania Ave

Washington, DC 20004

202-564-3850

<mailto:eoc.epahq@epa.gov>



**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**Cc:** Berry, Chuck[Berry.Chuck@epa.gov]; Moore, Tony[moore.tony@epa.gov]; Webster, James[Webster.James@epa.gov]; Andrew, Gary[Andrew.Gary@epa.gov]  
**From:** Eoc, Epahq  
**Sent:** Sat 9/10/2016 12:47:02 PM  
**Subject:** Re: EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584)

Thanks for the update, Kevin. If the situation continues to change throughout the day today, I'll plan to issue a spot report this afternoon or evening.

Steve Ridenour, Senior Watch Officer  
U.S. Environmental Protection Agency  
HQ Emergency Operations Center  
1200 Pennsylvania Ave  
Washington D.C. 20004

24-Hour # 202.564.3850

On Sep 10, 2016, at 12:43 AM, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

Colonial just updated the volumes spilled (see NRC 1158584). The new volume spilled in 42000 gallons. I have mobilized, at the OSCs request, the Gulf Strike Team to assist. We will meet/talk in the morning to discuss the need/plans for an RRT call.

Kevin

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4 | 61 Forsyth St SW | Atlanta, Georgia | 30303**

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | epaosc.org

On Sep 9, 2016, at 19:38, Eoc, Epahq <Eoc.Epahq@epa.gov> wrote:

**This report is being sent as a bcc to prevent accidental Reply to All messages.**

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<pastedImage.png>

## **EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584)**

### **US Environmental Protection Agency**

**Report as of 1935 ET on 09/09/2016**

**Overview:** On September 9<sup>th</sup> at 1449 ET, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek, a tributary of the Cahaba River. The exact amount of the spill is unknown at this time, but Colonial Pipeline estimates that between 1000-2000 gallons of gasoline has entered the pond. Colonial Pipeline has confirmed that the impacted transmission line has been shut down and its environmental contractors are responding to conduct air monitoring and remediation activities. The spill location is in a very remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location. At this time, a beaver dam is preventing the gasoline from entering Peel Creek. Initial response efforts are focusing on responder health and safety and installing controls to prevent the spill from entering Peel Creek.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The local fire department used firefighting foam to suppress the explosive vapors. The

Shelby County Emergency Management Association (EMA) responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State- and County-level agencies. An Incident Command post was established in Hoover, Alabama.

**EPA Actions:** A Region 4 OSC was deployed to assist with the response and has integrated into Unified Command. A Natural Resources Trustee consultation was held with a Region 4 Department of Interior representative. Threatened and endangered species in the area of the spill have been identified.

**Media Interest:** None

**The HQ EOC will continue to monitor and provide updates as needed.**

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Steve Ridenour, Senior Watch Officer  
U.S. Environmental Protection Agency  
Headquarters Emergency Operations Center  
1200 Pennsylvania Ave  
Washington, DC 20004  
202-564-3850  
<mailto:eoc.epahq@epa.gov>



**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**Cc:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]; Harris-Young, Dawn[Harris-Young.Dawn@epa.gov]; Pinkney, James[Pinkney.James@epa.gov]; Moore, Tony[moore.tony@epa.gov]  
**From:** Lincoln, Larry  
**Sent:** Sat 9/10/2016 11:23:03 AM  
**Subject:** Re: Special ERNS Report, Pelham Pipeline Spill

James Pinkney is your public affairs POC. He should have already reached out to you. His cell is (404) 695-5503.

Sent from my iPhone

On Sep 10, 2016, at 12:34 AM, Berry, Chuck <Berry.Chuck@epa.gov> wrote:

Just on the off chance that anyone gets this tonight, please don't call. I'm packing in for the night. No urgency.

I'll be in an ops briefing at 0700-0800 tomorrow. I'm free after that.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 9, 2016, at 23:17, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

Larry et al,

Local news is interested in this response. Can you please give Chuck a call at 404-859-0970.

Thanks,

Kevin

**From:** Eichinger, Kevin  
**Sent:** Friday, September 09, 2016 7:03 PM  
**Cc:** Eichinger, Kevin <Eichinger.Kevin@epa.gov>; Eoc, Epahq <Eoc.Epahq@epa.gov>  
**Subject:** Special ERNS Report, Pelham Pipeline Spill

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## **Special ERNS Report: Region 4, NRC 1158584, Pelham Pipeline Spill, Pelham, Shelby County, Alabama**

**US Environmental Protection Agency**

**Report as of September 9, 2016 1900 EDT**

**Overview:** On September 9, 2016, at 1449 hours, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into the Peel Creek which is a tributary of the Cahaba River. The exact amount of the release is unknown; however, Colonial Pipeline is estimating that between 1000 and 2000 gallons of gasoline has entered the pond.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The local fire department used firefighting foam to suppress the explosive vapors. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post has been established in Hoover, Alabama. Colonial Pipeline has confirmed that the impacted transmission line has been shut down. Environmental contractors for Colonial Pipeline are responding to conduct air monitoring and remediation activities.

**EPA Actions:** On-Scene Coordinator (OSC) Chuck Berry was deployed to the

Incident Command Post and he integrated into Unified Command. A Natural Resources Trustee consult was held with the Region 4 Department of Interior Representative. Threatened and endangered species in the area of the spill have been identified and communicated to the OSC. The spill location is in a very remote area and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location. At this time, a beaver dam is preventing the gasoline from entering Peel Creek. Initial response efforts are focusing on responder health and safety and installing controls to prevent the spill from entering Peel Creek.

**Media Interest:** None.

**National Response Center: 1-800-424-8802**  
**Phone Duty E-Mail: R4DUTYOSC@EPA.GOV**  
**Phone Duty MOBILE #: 404-242-3393**

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**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**Cc:** Harris-Young, Dawn[Harris-Young.Dawn@epa.gov]; Pinkney, James[Pinkney.James@epa.gov]; Moore, Tony[moore.tony@epa.gov]; Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Lincoln, Larry  
**Sent:** Sat 9/10/2016 11:21:42 AM  
**Subject:** Re: Special ERNS Report, Pelham Pipeline Spill

I briefed James Pinkney, who is in Birmingham, on this incident yesterday evening. James should have already been in contact with Chuck. His number is (404) 695-5503.

Sent from my iPhone

On Sep 10, 2016, at 12:17 AM, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

Larry et al,

Local news is interested in this response. Can you please give Chuck a call at 404-859-0970.

Thanks,

Kevin

**From:** Eichinger, Kevin  
**Sent:** Friday, September 09, 2016 7:03 PM  
**Cc:** Eichinger, Kevin <Eichinger.Kevin@epa.gov>; Eoc, Epahq <Eoc.Epahq@epa.gov>  
**Subject:** Special ERNS Report, Pelham Pipeline Spill

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# **Special ERNS Report: Region 4, NRC 1158584, Pelham Pipeline Spill, Pelham, Shelby County, Alabama**

**US Environmental Protection Agency**

**Report as of September 9, 2016 1900 EDT**

**Overview:** On September 9, 2016, at 1449 hours, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into the Peel Creek which is a tributary of the Cahaba River. The exact amount of the release is unknown; however, Colonial Pipeline is estimating that between 1000 and 2000 gallons of gasoline has entered the pond.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The local fire department used firefighting foam to suppress the explosive vapors. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post has been established in Hoover, Alabama. Colonial Pipeline has confirmed that the impacted transmission line has been shut down. Environmental contractors for Colonial Pipeline are responding to conduct air monitoring and remediation activities.

**EPA Actions:** On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and he integrated into Unified Command. A Natural Resources Trustee consult was held with the Region 4 Department of Interior Representative. Threatened and endangered species in the area of the spill have been identified and communicated to the OSC. The spill location is in a very remote area and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location. At this time, a beaver dam is preventing the gasoline from entering Peel Creek. Initial response efforts are focusing on responder health and safety and installing controls to prevent the spill from entering Peel Creek.

**Media Interest: None.**

**National Response Center: 1-800-424-8802**  
**Phone Duty E-Mail: R4DUTYOSC@EPA.GOV**  
**Phone Duty MOBILE #: 404-242-3393**

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**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Eichinger, Kevin  
**Sent:** Sat 9/10/2016 4:44:22 AM  
**Subject:** Re: NRC#1158628

Well, we have really already coordinated with the important people so hopefully even shorter. I get with Gary first thing. Sleep tight.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | epaosc.org

On Sep 10, 2016, at 00:40, Berry, Chuck <Berry.Chuck@epa.gov> wrote:

Yes it does. But lack of interstate effect will make it short.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 9, 2016, at 23:37, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

Let's talk first thing in the morning. This new volume does warrant a RRT call.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | epaosc.org

On Sep 10, 2016, at 00:35, Berry, Chuck <Berry.Chuck@epa.gov> wrote:

The new ic told me this as I was leaving the ic. Based on measurements of gas in the

pond.

Chuck Berry  
EPA OSC  
404.859.0970

Begin forwarded message:

**Resent-From:** <R4DutyOSC@epa.gov>  
**From:** "HQS-PF-fl dr-NRC@uscg.mil" <HQS-PF-fl dr-NRC@uscg.mil>  
**Date:** September 9, 2016 at 23:27:09 CDT  
**To:** R4DutyOSC <R4DutyOSC@epa.gov>  
**Subject:** NRC#1158628

NATIONAL RESPONSE CENTER 1-800-424-8802

\*\*\*GOVERNMENT USE ONLY\*\*\*GOVERNMENT USE ONLY\*\*\*

Information released to a third party shall comply with any  
applicable federal and/or state Freedom of Information and Privacy Laws

Incident Report # 1158628

#### INCIDENT DESCRIPTION

\*Report taken by: CIV ANTONAY GREER at 00:13 on 10-SEP-16  
Incident Type: PIPELINE  
Incident Cause: UNKNOWN  
Affected Area: POND  
Incident was discovered on 09-SEP-16 at 11:31 local incident time.  
Affected Medium: WATER / POND

---

#### REPORTING PARTY

Name: CONRAD SANDERS  
Organization: COLONIAL PIPELINE COMPANY  
Address: 1185 SANCTUARY PARKWAY  
ALPHARETTA, GA 30004  
Email Address: [csanders@colpipe.com](mailto:csanders@colpipe.com)

PRIMARY Phone: (678)7622263  
Type of Organization: PRIVATE ENTERPRISE

---

#### SUSPECTED RESPONSIBLE PARTY

Name: N/A  
Organization: COLONIAL PIPELINE COMPANY  
Address: 1185 SANCTUARY PARKWAY  
ALPHARETTA, GA 30004  
PRIMARY Phone: (678)7622263

---

INCIDENT LOCATION

County: SHELBY  
City: PELHAM State: AL  
Latitude: 33° 14' 32" N  
Longitude: 086° 55' 06" W  
COUNTY ROAD 91 (SEE POSITION)

---

RELEASED MATERIAL(S)

CHRIS Code: GAS Official Material Name: GASOLINE: AUTOMOTIVE  
(UNLEADED)  
Also Known As:  
Qty Released: 1000 BARREL(S) Qty in Water: 1000 BARREL(S)

---

DESCRIPTION OF INCIDENT

\*\*\* THIS IS AN UPDATED REPORT, REFERENCE NRC REPORT # 1158584 \*\*\*

- \* AMOUNT OF GASOLINE RELEASED HAS INCREASED FROM 0  
(UNKNOWN AMOUNT)  
TO 1,000 BARRELS.
- \* SUSPECTED SOURCE IS AN UNDERGROUND 36" TRANSMISSION  
PIPELINE.
- \* REMEDIATION UNDERWAY.

INITIAL REPORT:  
CALLER IS REPORTING THAT GASOLINE FROM AN UNKNOWN SOURCE  
WAS FOUND  
AT A LOCATION NEAR WELL SITES. THE GASOLINE CREATED A SHEEN  
ON A  
POND IN THAT AREA. THE INCIDENT IS BEING INVESTIGATED.

---

SENSITIVE INFORMATION

---

INCIDENT DETAILS

Pipeline Type: TRANSMISSION  
DOT Regulated: YES  
Pipeline Above/Below Ground: BELOW  
Exposed or Under Water: NO  
Pipeline Covered: UNKNOWN  
---SHEEN INFORMATION---  
Sheen Color: UNKNOWN  
Sheen Odor Description:

Sheen Travel Direction:  
Sheen Size Length:  
Sheen Size Width:  
---WATER INFORMATION---  
Body of Water: POND  
Tributary of:  
Nearest River Mile Marker:  
Water Supply Contaminated: UNKNOWN

---

IMPACT

Fire Involved: NO Fire Extinguished: UNKNOWN

INJURIES: NO Hospitalized: Empl/Crew: Passenger:  
FATALITIES: NO Empl/Crew: Passenger: Occupant:  
EVACUATIONS:NO Who Evacuated: Radius/Area:

Damages: NO

	Hours	Direction of
Closure Type Description of Closure	Closed	Closure
N		
Air:		
N		Major
Road:		Artery:N
N		
Waterway:		
N		
Track:		

Environmental Impact: UNKNOWN  
Media Interest: UNKNOWN Community Impact due to Material:

---

REMEDIAL ACTIONS

\* LINE HAS BEEN SHUT-DOWN.  
\* PRODUCT HAS BEEN CONTAINED AND CLEAN-UP IS UNDERWAY.  
Release Secured: YES  
Release Rate:  
Estimated Release Duration:

---

WEATHER

---

ADDITIONAL AGENCIES NOTIFIED

Federal:  
State/Local:

State/Local On Scene: EPA  
State Agency Number:

---

NOTIFICATIONS BY NRC

ALABAMA DEPT OF ENV MGMT (MAIN OFFICE)

10-SEP-16 00:26 (334)3944382

ALABAMA DEPT OF ENV MGMT (BIRMINGHAM FIELD OFFICE)

10-SEP-16 00:26 (334)3944382

AL U.S. ATTORNEY'S OFFICE (COMMAND CENTER)

10-SEP-16 00:26 (205)2442188

CENTERS FOR DISEASE CONTROL (GRASP)

10-SEP-16 00:26 (770)4887100

DHS NOC (NOC)

10-SEP-16 00:26 (202)2828114

DHS PROTECTIVE SECURITY ADVISOR (PSA DESK)

10-SEP-16 00:26 (703)2355724

DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE)

10-SEP-16 00:26 (202)3661863

U.S. EPA IV (MAIN OFFICE)

(404)6504955

U.S. EPA IV (DUTY OSC)

10-SEP-16 00:26 (404)6504955

GULF STRIKE TEAM (MAIN OFFICE)

10-SEP-16 00:26 (251)4416601

JFO-LA (COMMAND CENTER)

10-SEP-16 00:26 (225)3366513

NATIONAL INFRASTRUCTURE COORD CTR (MAIN OFFICE)

10-SEP-16 00:26 (202)2829201

NOAA RPTS FOR AL (MAIN OFFICE)

10-SEP-16 00:26 (206)5264911

NATIONAL RESPONSE CENTER HQ (AUTOMATIC REPORTS)

10-SEP-16 00:26 (202)2671136

NRC COMMAND DUTY OFFICER (MAIN OFFICE)

(202)2672100

NTSB PIPELINE (MAIN OFFICE)

10-SEP-16 00:26 (202)3146293

PIPELINE & HAZMAT SAFETY ADMIN (OFFICE OF PIPELINE SAFETY  
(AUTO))

10-SEP-16 00:26 (202)3660568

DOI FOR REGION 4 (MAIN OFFICE)

10-SEP-16 00:26 (404)3314524

REPORTING PARTY (RP SUBMITTER)

10-SEP-16 00:26

ALABAMA EMA (MAIN OFFICE)

10-SEP-16 00:26 (205)2802312

TSA OFFICE OF SECURITY OPERATIONS (SURFACE COMPLIANCE

BRANCH SE REGION)

10-SEP-16 00:26 (904)9804075

USCG DISTRICT 8 (MAIN OFFICE)

10-SEP-16 00:26 (504)5896225

USCG DISTRICT 8 (PLANNING)

10-SEP-16 00:26 (504)6712080

---

ADDITIONAL INFORMATION

---

\*\*\* END INCIDENT REPORT #1158628 \*\*\*

Report any problems by calling 1-800-424-8802

PLEASE VISIT OUR WEB SITE AT <http://www.nrc.uscg.mil>

**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Eichinger, Kevin  
**Sent:** Sat 9/10/2016 4:37:38 AM  
**Subject:** Re: NRC#1158628

Let's talk first thing in the morning. This new volume does warrant a RRT call.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | epaosc.org

On Sep 10, 2016, at 00:35, Berry, Chuck <Berry.Chuck@epa.gov> wrote:

The new ic told me this as I was leaving the ic. Based on measurements of gas in the pond.

Chuck Berry  
EPA OSC  
404.859.0970

Begin forwarded message:

**Resent-From:** <R4DutyOSC@epa.gov>  
**From:** "HQS-PF-flidr-NRC@uscg.mil" <HQS-PF-flidr-NRC@uscg.mil>  
**Date:** September 9, 2016 at 23:27:09 CDT  
**To:** R4DutyOSC <R4DutyOSC@epa.gov>  
**Subject:** NRC#1158628

NATIONAL RESPONSE CENTER 1-800-424-8802

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Incident Report # 1158628

#### INCIDENT DESCRIPTION

\*Report taken by: CIV ANTONAY GREER at 00:13 on 10-SEP-16  
Incident Type: PIPELINE  
Incident Cause: UNKNOWN

Affected Area: POND

Incident was discovered on 09-SEP-16 at 11:31 local incident time.

Affected Medium: WATER / POND

---

REPORTING PARTY

Name: CONRAD SANDERS  
Organization: COLONIAL PIPELINE COMPANY  
Address: 1185 SANCTUARY PARKWAY  
ALPHARETTA, GA 30004  
Email Address: [csanders@colpipe.com](mailto:csanders@colpipe.com)

PRIMARY Phone: (678)7622263

Type of Organization: PRIVATE ENTERPRISE

---

SUSPECTED RESPONSIBLE PARTY

Name: N/A  
Organization: COLONIAL PIPELINE COMPANY  
Address: 1185 SANCTUARY PARKWAY  
ALPHARETTA, GA 30004  
PRIMARY Phone: (678)7622263

---

INCIDENT LOCATION

County: SHELBY  
City: PELHAM State: AL  
Latitude: 33° 14' 32" N  
Longitude: 086° 55' 06" W  
COUNTY ROAD 91 (SEE POSITION)

---

RELEASED MATERIAL(S)

CHRIS Code: GAS Official Material Name: GASOLINE: AUTOMOTIVE  
(UNLEADED)

Also Known As:

Qty Released: 1000 BARREL(S) Qty in Water: 1000 BARREL(S)

---

DESCRIPTION OF INCIDENT

\*\*\* THIS IS AN UPDATED REPORT, REFERENCE NRC REPORT # 1158584 \*\*\*

\* AMOUNT OF GASOLINE RELEASED HAS INCREASED FROM 0 (UNKNOWN AMOUNT)

TO 1,000 BARRELS.

\* SUSPECTED SOURCE IS AN UNDERGROUND 36" TRANSMISSION PIPELINE.

\* REMEDIATION UNDERWAY.

INITIAL REPORT:

CALLER IS REPORTING THAT GASOLINE FROM AN UNKNOWN SOURCE WAS

FOUND

AT A LOCATION NEAR WELL SITES. THE GASOLINE CREATED A SHEEN ON A POND IN THAT AREA. THE INCIDENT IS BEING INVESTIGATED.

---

SENSITIVE INFORMATION

---

---

INCIDENT DETAILS

Pipeline Type: TRANSMISSION

DOT Regulated: YES

Pipeline Above/Below Ground: BELOW

Exposed or Under Water: NO

Pipeline Covered: UNKNOWN

---SHEEN INFORMATION---

Sheen Color: UNKNOWN

Sheen Odor Description:

Sheen Travel Direction:

Sheen Size Length:

Sheen Size Width:

---WATER INFORMATION---

Body of Water: POND

Tributary of:

Nearest River Mile Marker:

Water Supply Contaminated: UNKNOWN

---

IMPACT

Fire Involved: NO Fire Extinguished: UNKNOWN

INJURIES: NO Hospitalized: Empl/Crew: Passenger:

FATALITIES: NO Empl/Crew: Passenger: Occupant:

EVACUATIONS:NO Who Evacuated: Radius/Area:

Damages: NO

	Hours	Direction of
Closure Type Description of Closure	Closed	Closure
N		

Air:

N

Major

Road:

Artery:N

N

Waterway:

N

Track:

Environmental Impact: UNKNOWN

Media Interest: UNKNOWN Community Impact due to Material:

---

REMEDIAL ACTIONS

\* LINE HAS BEEN SHUT-DOWN.

\* PRODUCT HAS BEEN CONTAINED AND CLEAN-UP IS UNDERWAY.

Release Secured: YES

Release Rate:

Estimated Release Duration:

---

WEATHER

---

ADDITIONAL AGENCIES NOTIFIED

Federal:

State/Local:

State/Local On Scene: EPA

State Agency Number:

---

NOTIFICATIONS BY NRC

ALABAMA DEPT OF ENV MGMT (MAIN OFFICE)

10-SEP-16 00:26 (334)3944382

ALABAMA DEPT OF ENV MGMT (BIRMINGHAM FIELD OFFICE)

10-SEP-16 00:26 (334)3944382

AL U.S. ATTORNEY'S OFFICE (COMMAND CENTER)

10-SEP-16 00:26 (205)2442188

CENTERS FOR DISEASE CONTROL (GRASP)

10-SEP-16 00:26 (770)4887100

DHS NOC (NOC)

10-SEP-16 00:26 (202)2828114

DHS PROTECTIVE SECURITY ADVISOR (PSA DESK)

10-SEP-16 00:26 (703)2355724

DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE)

10-SEP-16 00:26 (202)3661863

U.S. EPA IV (MAIN OFFICE)

(404)6504955

U.S. EPA IV (DUTY OSC)

10-SEP-16 00:26 (404)6504955

GULF STRIKE TEAM (MAIN OFFICE)

10-SEP-16 00:26 (251)4416601

JFO-LA (COMMAND CENTER)

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NATIONAL INFRASTRUCTURE COORD CTR (MAIN OFFICE)

10-SEP-16 00:26 (202)2829201

NOAA RPTS FOR AL (MAIN OFFICE)  
10-SEP-16 00:26 (206)5264911  
NATIONAL RESPONSE CENTER HQ (AUTOMATIC REPORTS)  
10-SEP-16 00:26 (202)2671136  
NRC COMMAND DUTY OFFICER (MAIN OFFICE)  
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NTSB PIPELINE (MAIN OFFICE)  
10-SEP-16 00:26 (202)3146293  
PIPELINE & HAZMAT SAFETY ADMIN (OFFICE OF PIPELINE SAFETY (AUTO))  
10-SEP-16 00:26 (202)3660568  
DOI FOR REGION 4 (MAIN OFFICE)  
10-SEP-16 00:26 (404)3314524  
REPORTING PARTY (RP SUBMITTER)  
10-SEP-16 00:26  
ALABAMA EMA (MAIN OFFICE)  
10-SEP-16 00:26 (205)2802312  
TSA OFFICE OF SECURITY OPERATIONS (SURFACE COMPLIANCE BRANCH SE  
REGION)  
10-SEP-16 00:26 (904)9804075  
USCG DISTRICT 8 (MAIN OFFICE)  
10-SEP-16 00:26 (504)5896225  
USCG DISTRICT 8 (PLANNING)  
10-SEP-16 00:26 (504)6712080

---

ADDITIONAL INFORMATION

---

\*\*\* END INCIDENT REPORT #1158628 \*\*\*

Report any problems by calling 1-800-424-8802  
PLEASE VISIT OUR WEB SITE AT <http://www.nrc.uscg.mil>



**To:** Berry, Chuck[Berry.Chuck@epa.gov]; Andrew, Gary[Andrew.Gary@epa.gov]  
**Cc:** Moore, Tony[moore.tony@epa.gov]; Harris-Young, Dawn[Harris-Young.Dawn@epa.gov];  
Lincoln, Larry[Lincoln.Larry@epa.gov]; Pinkney, James[Pinkney.James@epa.gov]; Webster,  
James[Webster.James@epa.gov]  
**From:** Eichinger, Kevin  
**Sent:** Sat 9/10/2016 4:35:47 AM  
**Subject:** Fwd: NRC#1158628

Updated NRC report for the Pelham Pipeline Spill. The NRC called me and asked if we were classifying this as an incident of national significance that requires NRT activation. I said no, not at this time.

Chuck and Gary, I'll leave it up to you if you want to do an RRT call. I have already reached out to DOI. GST is responding to assist.

Kevin.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | epaosc.org

Begin forwarded message:

**Resent-From:** <R4DutyOSC@epa.gov>  
**From:** "HQS-PF-flidr-NRC@uscg.mil" <HQS-PF-flidr-NRC@uscg.mil>  
**Date:** September 10, 2016 at 00:27:09 EDT  
**To:** R4DutyOSC <R4DutyOSC@epa.gov>  
**Subject:** NRC#1158628

NATIONAL RESPONSE CENTER 1-800-424-8802

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Incident Report # 1158628

INCIDENT DESCRIPTION

\*Report taken by: CIV ANTONAY GREER at 00:13 on 10-SEP-16  
Incident Type: PIPELINE  
Incident Cause: UNKNOWN  
Affected Area: POND  
Incident was discovered on 09-SEP-16 at 11:31 local incident time.  
Affected Medium: WATER / POND

---

REPORTING PARTY

Name: CONRAD SANDERS  
Organization: COLONIAL PIPELINE COMPANY  
Address: 1185 SANCTUARY PARKWAY  
ALPHARETTA, GA 30004  
Email Address: [csanders@colpipe.com](mailto:csanders@colpipe.com)

PRIMARY Phone: (678)7622263  
Type of Organization: PRIVATE ENTERPRISE

---

SUSPECTED RESPONSIBLE PARTY

Name: N/A  
Organization: COLONIAL PIPELINE COMPANY  
Address: 1185 SANCTUARY PARKWAY  
ALPHARETTA, GA 30004  
PRIMARY Phone: (678)7622263

---

INCIDENT LOCATION

County: SHELBY  
City: PELHAM State: AL  
Latitude: 33° 14' 32" N  
Longitude: 086° 55' 06" W  
COUNTY ROAD 91 (SEE POSITION)

---

RELEASED MATERIAL(S)

CHRIS Code: GAS Official Material Name: GASOLINE: AUTOMOTIVE  
(UNLEADED)  
Also Known As:  
Qty Released: 1000 BARREL(S) Qty in Water: 1000 BARREL(S)

---

DESCRIPTION OF INCIDENT

\*\*\* THIS IS AN UPDATED REPORT, REFERENCE NRC REPORT # 1158584 \*\*\*

\* AMOUNT OF GASOLINE RELEASED HAS INCREASED FROM 0 (UNKNOWN AMOUNT)  
TO 1,000 BARRELS.  
\* SUSPECTED SOURCE IS AN UNDERGROUND 36" TRANSMISSION PIPELINE.  
\* REMEDIATION UNDERWAY.

INITIAL REPORT:

CALLER IS REPORTING THAT GASOLINE FROM AN UNKNOWN SOURCE WAS FOUND

AT A LOCATION NEAR WELL SITES. THE GASOLINE CREATED A SHEEN ON A POND IN THAT AREA. THE INCIDENT IS BEING INVESTIGATED.

---

SENSITIVE INFORMATION

---

INCIDENT DETAILS

Pipeline Type: TRANSMISSION

DOT Regulated: YES

Pipeline Above/Below Ground: BELOW

Exposed or Under Water: NO

Pipeline Covered: UNKNOWN

---SHEEN INFORMATION---

Sheen Color: UNKNOWN

Sheen Odor Description:

Sheen Travel Direction:

Sheen Size Length:

Sheen Size Width:

---WATER INFORMATION---

Body of Water: POND

Tributary of:

Nearest River Mile Marker:

Water Supply Contaminated: UNKNOWN

---

IMPACT

Fire Involved: NO Fire Extinguished: UNKNOWN

INJURIES: NO Hospitalized: Empl/Crew: Passenger:

FATALITIES: NO Empl/Crew: Passenger: Occupant:

EVACUATIONS:NO Who Evacuated: Radius/Area:

Damages: NO

	Hours	Direction of
Closure Type Description of Closure	Closed	Closure
N		
Air:		
N	Major	
Road:	Artery:N	
N		

Waterway:

N

Track:

Environmental Impact: UNKNOWN

Media Interest: UNKNOWN Community Impact due to Material:

---

REMEDIAL ACTIONS

\* LINE HAS BEEN SHUT-DOWN.

\* PRODUCT HAS BEEN CONTAINED AND CLEAN-UP IS UNDERWAY.

Release Secured: YES

Release Rate:

Estimated Release Duration:

---

WEATHER

---

ADDITIONAL AGENCIES NOTIFIED

Federal:

State/Local:

State/Local On Scene: EPA

State Agency Number:

---

NOTIFICATIONS BY NRC

ALABAMA DEPT OF ENV MGMT (MAIN OFFICE)

10-SEP-16 00:26 (334)3944382

ALABAMA DEPT OF ENV MGMT (BIRMINGHAM FIELD OFFICE)

10-SEP-16 00:26 (334)3944382

AL U.S. ATTORNEY'S OFFICE (COMMAND CENTER)

10-SEP-16 00:26 (205)2442188

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DHS NOC (NOC)

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10-SEP-16 00:26 (202)3661863

U.S. EPA IV (MAIN OFFICE)

(404)6504955

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GULF STRIKE TEAM (MAIN OFFICE)

10-SEP-16 00:26 (251)4416601

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10-SEP-16 00:26 (225)3366513  
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NOAA RPTS FOR AL (MAIN OFFICE)  
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NRC COMMAND DUTY OFFICER (MAIN OFFICE)  
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DOI FOR REGION 4 (MAIN OFFICE)  
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REPORTING PARTY (RP SUBMITTER)  
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ALABAMA EMA (MAIN OFFICE)  
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TSA OFFICE OF SECURITY OPERATIONS (SURFACE COMPLIANCE BRANCH SE  
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10-SEP-16 00:26 (904)9804075  
USCG DISTRICT 8 (MAIN OFFICE)  
10-SEP-16 00:26 (504)5896225  
USCG DISTRICT 8 (PLANNING)  
10-SEP-16 00:26 (504)6712080

---

ADDITIONAL INFORMATION

---

\*\*\* END INCIDENT REPORT #1158628 \*\*\*

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PLEASE VISIT OUR WEB SITE AT <http://www.nrc.uscg.mil>



**To:** R4DutyOSC[R4DutyOSC@epa.gov]  
**From:** HQS-PF-fldr-NRC@uscg.mil  
**Sent:** Sat 9/10/2016 4:27:09 AM  
**Subject:** NRC#1158628

NATIONAL RESPONSE CENTER 1-800-424-8802

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Incident Report # 1158628

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\*Report taken by: CIV ANTONAY GREER at 00:13 on 10-SEP-16

Incident Type: PIPELINE

Incident Cause: UNKNOWN

Affected Area: POND

Incident was discovered on 09-SEP-16 at 11:31 local incident time.

Affected Medium: WATER / POND

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PRIMARY Phone: (678)7622263

Type of Organization: PRIVATE ENTERPRISE

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#### SUSPECTED RESPONSIBLE PARTY

Name: N/A  
Organization: COLONIAL PIPELINE COMPANY  
Address: 1185 SANCTUARY PARKWAY  
ALPHARETTA, GA 30004  
PRIMARY Phone: (678)7622263

---

#### INCIDENT LOCATION

County: SHELBY  
City: PELHAM State: AL  
Latitude: 33° 14' 32" N  
Longitude: 086° 55' 06" W  
COUNTY ROAD 91 (SEE POSITION)

---

#### RELEASED MATERIAL(S)

CHRIS Code: GAS Official Material Name: GASOLINE: AUTOMOTIVE (UNLEADED)  
Also Known As:  
Qty Released: 1000 BARREL(S) Qty in Water: 1000 BARREL(S)

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#### DESCRIPTION OF INCIDENT

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- \* REMEDIATION UNDERWAY.

INITIAL REPORT:

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---

SENSITIVE INFORMATION

---

INCIDENT DETAILS

Pipeline Type: TRANSMISSION  
 DOT Regulated: YES  
 Pipeline Above/Below Ground: BELOW  
 Exposed or Under Water: NO  
 Pipeline Covered: UNKNOWN  
 ---SHEEN INFORMATION---  
 Sheen Color: UNKNOWN  
 Sheen Odor Description:  
 Sheen Travel Direction:  
 Sheen Size Length:  
 Sheen Size Width:  
 ---WATER INFORMATION---  
 Body of Water: POND  
 Tributary of:  
 Nearest River Mile Marker:  
 Water Supply Contaminated: UNKNOWN

---

IMPACT

Fire Involved: NO Fire Extinguished: UNKNOWN

INJURIES: NO Hospitalized: Empl/Crew: Passenger:  
 FATALITIES: NO Empl/Crew: Passenger: Occupant:  
 EVACUATIONS:NO Who Evacuated: Radius/Area:

Damages: NO

	Hours	Direction of
Closure Type Description of Closure	Closed	Closure
N		
Air:		
N		Major
Road:		Artery:N
N		
Waterway:		
N		
Track:		

Environmental Impact: UNKNOWN  
 Media Interest: UNKNOWN Community Impact due to Material:

---

REMEDIAL ACTIONS

\* LINE HAS BEEN SHUT-DOWN.

\* PRODUCT HAS BEEN CONTAINED AND CLEAN-UP IS UNDERWAY.

Release Secured: YES

Release Rate:

Estimated Release Duration:

---

WEATHER

---

---

ADDITIONAL AGENCIES NOTIFIED

---

Federal:

State/Local:

State/Local On Scene: EPA

State Agency Number:

---

NOTIFICATIONS BY NRC

ALABAMA DEPT OF ENV MGMT (MAIN OFFICE)

10-SEP-16 00:26 (334)3944382

ALABAMA DEPT OF ENV MGMT (BIRMINGHAM FIELD OFFICE)

10-SEP-16 00:26 (334)3944382

AL U.S. ATTORNEY'S OFFICE (COMMAND CENTER)

10-SEP-16 00:26 (205)2442188

CENTERS FOR DISEASE CONTROL (GRASP)

10-SEP-16 00:26 (770)4887100

DHS NOC (NOC)

10-SEP-16 00:26 (202)2828114

DHS PROTECTIVE SECURITY ADVISOR (PSA DESK)

10-SEP-16 00:26 (703)2355724

DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE)

10-SEP-16 00:26 (202)3661863

U.S. EPA IV (MAIN OFFICE)

(404)6504955

U.S. EPA IV (DUTY OSC)

10-SEP-16 00:26 (404)6504955

GULF STRIKE TEAM (MAIN OFFICE)

10-SEP-16 00:26 (251)4416601

JFO-LA (COMMAND CENTER)

10-SEP-16 00:26 (225)3366513

NATIONAL INFRASTRUCTURE COORD CTR (MAIN OFFICE)

10-SEP-16 00:26 (202)2829201

NOAA RPTS FOR AL (MAIN OFFICE)

10-SEP-16 00:26 (206)5264911

NATIONAL RESPONSE CENTER HQ (AUTOMATIC REPORTS)

10-SEP-16 00:26 (202)2671136

NRC COMMAND DUTY OFFICER (MAIN OFFICE)

(202)2672100

NTSB PIPELINE (MAIN OFFICE)

10-SEP-16 00:26 (202)3146293

PIPELINE & HAZMAT SAFETY ADMIN (OFFICE OF PIPELINE SAFETY (AUTO))

10-SEP-16 00:26 (202)3660568

DOI FOR REGION 4 (MAIN OFFICE)

10-SEP-16 00:26 (404)3314524

REPORTING PARTY (RP SUBMITTER)

10-SEP-16 00:26

ALABAMA EMA (MAIN OFFICE)

10-SEP-16 00:26 (205)2802312

TSA OFFICE OF SECURITY OPERATIONS (SURFACE COMPLIANCE BRANCH SE REGION)

10-SEP-16 00:26 (904)9804075

USCG DISTRICT 8 (MAIN OFFICE)

10-SEP-16 00:26 (504)5896225

USCG DISTRICT 8 (PLANNING)

10-SEP-16 00:26 (504)6712080

---

ADDITIONAL INFORMATION

---

\*\*\* END INCIDENT REPORT #1158628 \*\*\*

Report any problems by calling 1-800-424-8802

PLEASE VISIT OUR WEB SITE AT <http://www.nrc.uscg.mil>

**To:** Lincoln, Larry[Lincoln.Larry@epa.gov]; Harris-Young, Dawn[Harris-Young.Dawn@epa.gov]; Pinkney, James[Pinkney.James@epa.gov]  
**Cc:** Moore, Tony[moore.tony@epa.gov]; Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Eichinger, Kevin  
**Sent:** Sat 9/10/2016 4:17:44 AM  
**Subject:** FW: Special ERNS Report, Pelham Pipeline Spill

Larry et al,

Local news is interested in this response. Can you please give Chuck a call at 404-859-0970.

Thanks,

Kevin

**From:** Eichinger, Kevin  
**Sent:** Friday, September 09, 2016 7:03 PM  
**Cc:** Eichinger, Kevin <Eichinger.Kevin@epa.gov>; Eoc, Epahq <Eoc.Epahq@epa.gov>  
**Subject:** Special ERNS Report, Pelham Pipeline Spill

UNCLASSIFIED//FOR OFFICIAL USE ONLY

## **Special ERNS Report: Region 4, NRC 1158584, Pelham Pipeline Spill, Pelham, Shelby County, Alabama**

**US Environmental Protection Agency**

**Report as of September 9, 2016 1900 EDT**

**Overview:** On September 9, 2016, at 1449 hours, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into the Peel Creek which is a tributary of the Cahaba River. The exact amount of the release is unknown; however, Colonial Pipeline is estimating that between 1000 and 2000 gallons of gasoline has entered the pond.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The local fire department used firefighting foam to suppress the explosive vapors. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post has been established in Hoover, Alabama. Colonial Pipeline has confirmed that the impacted transmission line has been shut down. Environmental contractors for Colonial Pipeline are responding to conduct air monitoring and remediation activities.

**EPA Actions:** On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and he integrated into Unified Command. A Natural Resources Trustee consult was held with the Region 4 Department of Interior Representative. Threatened and endangered species in the area of the spill have been identified and communicated to the OSC. The spill location is in a very remote area and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location. At this time, a beaver dam is preventing the gasoline from entering Peel Creek. Initial response efforts are focusing on responder health and safety and installing controls to prevent the spill from entering Peel Creek.

**Media Interest:** None.

**National Response Center: 1-800-424-8802**  
**Phone Duty E-Mail: R4DUTYOSC@EPA.GOV**  
**Phone Duty MOBILE #: 404-242-3393**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

**To:** Bates, Lloyd[Bates.Lloyd@epa.gov]; Walker, Darryl[walker.darryl@epa.gov]; Moore, Tony[moore.tony@epa.gov]  
**Cc:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Eichinger, Kevin  
**Sent:** Sat 9/10/2016 4:09:55 AM  
**Subject:** Pelham Pipeline Spill

Chuck has requested Gulf Strike Team assistance at the colonial pipeline spill. Two GST members will head out in the morning. This is an OPA response, so I assume they will work under their own funding stream.

Kevin

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | epaosc.org



**To:** Joyce\_Stanley@ios.doi.gov[Joyce\_Stanley@ios.doi.gov]  
**Cc:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Eichinger, Kevin  
**Sent:** Fri 9/9/2016 7:30:56 PM  
**Subject:** RE: FW: NRC#1158584

We have limited information currently. The amount released is unknown. The release was found by the property owners that the pipelines run through, so we are working with limited intel.

There is fuel release and local FD is getting explosive levels. We have Peel Creek listed as an intermittent creek, so the pond they are talking about may actually be a part of the creek.

ADEM and Shelby County EMA as well as the Pipelines should be onsite soon and will report back. Chuck Berry is responding from Atlanta. His contact number is 404-859-0970.

**From:** Stanley, Joyce [mailto:joyce\_stanley@ios.doi.gov]  
**Sent:** Friday, September 09, 2016 3:26 PM  
**To:** Eichinger, Kevin <Eichinger.Kevin@epa.gov>  
**Subject:** Re: FW: NRC#1158584

Hello Kevin,

The coordinates are adjacent to Peel Creek, a tributary of the Cahaba River (less than a mile away). Do we have information on the volume of the spill and if the spill is continuing? We would be very concerned if it escapes into the Peel Creek and into the Cahaba River. We have multiple aquatic T&E's in the Cahaba River. Please let me know when you find out more information.

Thanks,

**Joyce A. Stanley, MPA**

**Regional Environmental Protection Specialist**

**US Department of the Interior**

**Office of Environmental Policy and Compliance**

(404) 331-4524 - Office

(404) 331-1736 - Fax

Exemption 6 Personal Privacy

Mobile

[joyce\\_stanley@ios.doi.gov](mailto:joyce_stanley@ios.doi.gov)

<http://www.doi.gov/oepec/atlanta.html>

On Fri, Sep 9, 2016 at 2:40 PM, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

Per our phone conversation. The GPS coordinates are 33.24222, -86.91833.

Thanks,  
Kevin

-----Original Message-----

From: [HQS-PF-flidr-NRC@uscg.mil](mailto:HQS-PF-flidr-NRC@uscg.mil) [mailto:[HQS-PF-flidr-NRC@uscg.mil](mailto:HQS-PF-flidr-NRC@uscg.mil)]

Sent: Friday, September 09, 2016 2:08 PM

To: R4DutyOSC <[R4DutyOSC@epa.gov](mailto:R4DutyOSC@epa.gov)>

Subject: NRC#1158584

NATIONAL RESPONSE CENTER 1-800-424-8802

\*\*\*GOVERNMENT USE ONLY\*\*\*GOVERNMENT USE ONLY\*\*\*

Information released to a third party shall comply with any  
applicable federal and/or state Freedom of Information and Privacy Laws

Incident Report # 1158584

#### INCIDENT DESCRIPTION

\*Report taken by: YN2 RUDY GANTHER at 13:59 on 09-SEP-16

Incident Type: FIXED

Incident Cause: UNKNOWN

Affected Area: POND

Incident was discovered on 09-SEP-16 at 11:31 local incident time.

Affected Medium: WATER POND

---

#### REPORTING PARTY

Name: BROCK MOBLEY

Organization: COLONIAL PIPELINE COMPANY

Address: 1185 SANCTUARY PARKWAY  
ALPHARETTA, GA 30004

Email Address: bmobley@colpipe.com

PRIMARY Phone: (678)7622263

Type of Organization: PRIVATE ENTERPRISE

---

SUSPECTED RESPONSIBLE PARTY

Name: BROCK MOBLEY

Organization: COLONIAL PIPELINE COMPANY

Address: 1185 SANCTUARY PARKWAY

ALPHARETTA, GA 30004

PRIMARY Phone: (678)7622263

---

INCIDENT LOCATION

SEE LAT/LONG County: SHELBY  
COUNTY 91

City: PELHAM State: AL

Latitude: 33° 14' 32" N

Longitude: 086° 55' 06" W

---

RELEASED MATERIAL(S)

CHRIS Code: GAS Official Material Name: GASOLINE: AUTOMOTIVE  
(UNLEADED)

Also Known As:

Qty Released: 0 UNKNOWN AMOUNT

Qty in Water: 0 UNKNOWN AMOUNT

---

DESCRIPTION OF INCIDENT

CALLER IS REPORTING THAT GASOLINE FROM AN UNKNOWN SOURCE WAS  
FOUND

AT A LOCATION NEAR WELL SITES. THE GASOLINE CRATED A SHEEN ON A  
POND

IN THAT AREA. THE INCIDENT IS BEING INVESTIGATED.

---

SENSITIVE INFORMATION

ON SCENE POINT OF CONTACT- JOHN WYATT, 404-713-9270

---

INCIDENT DETAILS

Package: N/A

Building ID:

Type of Fixed Object: OTHER

Power Generating Facility: NO

Generating Capacity:

Type of Fuel:

NPDES:

NPDES Compliance: UNKNOWN

---WATER INFORMATION---

Body of Water: POND

Tributary of:

Nearest River Mile Marker:

Water Supply Contaminated: UNKNOWN

---

IMPACT

Fire Involved: NO Fire Extinguished: UNKNOWN

INJURIES: NO Hospitalized: Empl/Crew: Passenger:

FATALITIES: NO Empl/Crew: Passenger: Occupant:

EVACUATIONS:NO Who Evacuated: Radius/Area:

Damages: NO

	Hours	Direction of
Closure Type	Description of Closure	Closed Closure
N		

Air:

N	Major
Road:	Artery:N

N

Waterway:

N

Track:

Environmental Impact: NO

Media Interest: UNKNOWN Community Impact due to Material:

---

REMEDIAL ACTIONS

INVESTIGATION UNDERWAY.

Release Secured: UNKNOWN

Release Rate:

Estimated Release Duration:

---

WEATHER

Weather: CLEAR, °F

---

ADDITIONAL AGENCIES NOTIFIED

Federal:

State/Local:

State/Local On Scene:

State Agency Number:

---

NOTIFICATIONS BY NRC

ALABAMA DEPT OF ENV MGMT (MAIN OFFICE)  
09-SEP-16 14:07 (334)3944382  
ALABAMA DEPT OF ENV MGMT (BIRMINGHAM FIELD OFFICE)  
09-SEP-16 14:07 (334)3944382  
AL U.S. ATTORNEY'S OFFICE (COMMAND CENTER)  
09-SEP-16 14:07 (205)2442188  
CENTERS FOR DISEASE CONTROL (GRASP)  
09-SEP-16 14:07 (770)4887100  
DHS NOC (NOC)  
09-SEP-16 14:07 (202)2828114  
DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE)  
09-SEP-16 14:07 (202)3661863  
U.S. EPA IV (MAIN OFFICE)  
(404)6504955  
U.S. EPA IV (DUTY OSC)  
09-SEP-16 14:07 (404)6504955  
JFO-LA (COMMAND CENTER)  
09-SEP-16 14:07 (225)3366513  
NATIONAL INFRASTRUCTURE COORD CTR (MAIN OFFICE)  
09-SEP-16 14:07 (202)2829201  
NOAA RPTS FOR AL (MAIN OFFICE)  
09-SEP-16 14:07 (206)5264911  
NATIONAL RESPONSE CENTER HQ (AUTOMATIC REPORTS)  
09-SEP-16 14:07 (202)2671136  
NTSB PIPELINE (MAIN OFFICE)  
09-SEP-16 14:07 (202)3146293  
DOI FOR REGION 4 (MAIN OFFICE)  
09-SEP-16 14:07 (404)3314524  
REPORTING PARTY (RP SUBMITTER)  
09-SEP-16 14:07  
ALABAMA EMA (MAIN OFFICE)  
09-SEP-16 14:07 (205)2802312  
TSA OFFICE OF SECURITY OPERATIONS (SURFACE COMPLIANCE BRANCH SE  
REGION)  
09-SEP-16 14:07 (904)9804075  
USCG DISTRICT 8 (MAIN OFFICE)  
09-SEP-16 14:07 (504)5896225  
USCG DISTRICT 8 (PLANNING)  
09-SEP-16 14:07 (504)6712080

---

ADDITIONAL INFORMATION

---

\*\*\* END INCIDENT REPORT #1158584 \*\*\*

Report any problems by calling 1-800-424-8802

PLEASE VISIT OUR WEB SITE AT <http://www.nrc.uscg.mil>

**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]; Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** AutoResponseCANAPS@uscg.mil  
**Sent:** Fri 9/9/2016 7:00:03 PM  
**Subject:** E16444 - New CANAPS Project

CANAPS has processed a NEW OIL PROJECT NUMBER REQUEST. Below is all of the information entered by the requestor or calculated by CANAPS. This Email serves as confirmation that the request has been processed. An official Coast Guard Messaging System (CGMS) message will be automatically generated.

Recipients are reminded that the issuance of this project number and ceiling does not in any way change the authorizations or restrictions in the instructions/guidance for emergency acquisition procedures.

If you need to contact someone after business hours (Eastern Time), call the NPFC Case Management Duty Officer (CDO) at (202) 494-9118.

CANAPS Transaction Type:	NEW PROJECT
Project Number:	E16444
Project Date:	09 SEP 2016.
Incident Date:	09 SEP 2016.
Incident Name:	PELHAM PIPELINE SPILL - E16444
CG Cost Amount Requested:	No Data Entered
OSLTF/CERCLA Amount Requested:	\$10,000.00
Total Amount Requested:	\$10,000.00
Approved CG Cost Ceiling:	No Data Entered
Approved OSLTF/CERCLA Ceiling:	\$10,000.00
Approved Total Ceiling:	\$10,000.00
Action Commence Date:	09 SEP 2016.
Incident Location:	PELHAM
Incident State:	AL
Body of Water:	PEEL CREEK
Source of Spill:	Facility
Vessel/Facility Name:	PELHAM PIPELINE SPILL

Vessel Type:	No Data Entered
Vessel Identification Number (VIN):	No Data Entered
Responsible Party:	COLONIAL PIPELINE OR PLANTATION PIPELINE
Type of Product Spilled:	Oil
Amount Spilled:	No Data Entered
Unit of Measure:	No Data Entered
Substantial Threat:	Y
Potential Amount Spilled:	No Data Entered
Potential Amount Unit of Measure:	No Data Entered
Description of Substantial Threat:	GASOLINE FROM A PIPELINE CREATED A SHEEN ON PEEL CREEK.
Project Long Name:	No Data Entered
Incident Description:	No Data Entered
FOSC Unit:	EPA Region 4
POC/FOSC Name:	CHARLES BERRY
POC/FOSC Email:	No Data Entered
POC/FOSC Phone:	(404)562-8278
POC/FOSC FAX:	No Data Entered
Requesting Unit:	EPA Region 4
Requestor Name:	KEVIN EICHINGER
Requestor Phone:	(404)562-8268
Requestor Email Address(es)	<u>EICHINGER.KEVIN@EPA.GOV.BERRY.</u>
Case Officer Name:	Mr. Miguel Bella
Case Officer Phone:	(703)872-6069
Case Officer Cell Phone:	(202)360-6061
Case Officer FAX:	No Data Entered
Case Officer Email:	<u>Miguel.L.Bella@uscg.mil</u>
Accounting String:	2/V/SZ/172/95/0/E16444/74100/XXXX
Document Control Number:	DD/16/46/6/V/XZ/YYY
Related CERCLA Project:	N
NRC Incident Number:	1158584
MISLE Case/Activity Number:	No Data Entered
CGMS Message Reference:	

**Comments:**

RP UNDETERMINED AT THIS TIME  
BUT BELIEVED TO BE EITHER  
COLONIAL PIPELINE OR  
PLANTATION PIPELINE. SPILL IS  
APPROXIMATELY AT 33 (DEG) 14 32"  
N, 86 (DEG) 55 6" W. PEEL CREEK IS  
A TRIBUTARY OF THE CAHAWBA  
RIVER. UNKNOWN AMOUNT  
SPILLED, UNKNOWN POTENTIAL.



**To:** R4DutyOSC[R4DutyOSC@epa.gov]  
**From:** HQS-PF-flr-NRC@uscg.mil  
**Sent:** Fri 9/9/2016 6:07:54 PM  
**Subject:** NRC#1158584

NATIONAL RESPONSE CENTER 1-800-424-8802

\*\*\*GOVERNMENT USE ONLY\*\*\*GOVERNMENT USE ONLY\*\*\*

Information released to a third party shall comply with any applicable federal and/or state Freedom of Information and Privacy Laws

Incident Report # 1158584

#### INCIDENT DESCRIPTION

\*Report taken by: YN2 RUDY GANTHER at 13:59 on 09-SEP-16  
Incident Type: FIXED  
Incident Cause: UNKNOWN  
Affected Area: POND  
Incident was discovered on 09-SEP-16 at 11:31 local incident time.  
Affected Medium: WATER POND

---

#### REPORTING PARTY

Name: BROCK MOBLEY  
Organization: COLONIAL PIPELINE COMPANY  
Address: 1185 SANCTUARY PARKWAY  
ALPHARETTA, GA 30004  
Email Address: bmobley@colpipe.com

PRIMARY Phone: (678)7622263  
Type of Organization: PRIVATE ENTERPRISE

---

#### SUSPECTED RESPONSIBLE PARTY

Name: BROCK MOBLEY  
Organization: COLONIAL PIPELINE COMPANY  
Address: 1185 SANCTUARY PARKWAY  
ALPHARETTA, GA 30004  
PRIMARY Phone: (678)7622263

---

#### INCIDENT LOCATION

SEE LAT/LONG County: SHELBY  
COUNTY 91  
City: PELHAM State: AL  
Latitude: 33° 14' 32" N  
Longitude: 086° 55' 06" W

---

#### RELEASED MATERIAL(S)

CHRIS Code: GAS Official Material Name: GASOLINE: AUTOMOTIVE (UNLEADED)  
Also Known As:  
Qty Released: 0 UNKNOWN AMOUNT Qty in Water: 0 UNKNOWN AMOUNT

---

#### DESCRIPTION OF INCIDENT

CALLER IS REPORTING THAT GASOLINE FROM AN UNKNOWN SOURCE WAS FOUND AT A LOCATION NEAR WELL SITES. THE GASOLINE CRATED A SHEEN ON A POND IN THAT AREA. THE INCIDENT IS BEING INVESTIGATED.

---

SENSITIVE INFORMATION  
ON SCENE POINT OF CONTACT- JOHN WYATT, 404-713-9270

---

---

INCIDENT DETAILS

Package: N/A  
Building ID:  
Type of Fixed Object: OTHER  
Power Generating Facility: NO  
Generating Capacity:  
Type of Fuel:  
NPDES:  
NPDES Compliance: UNKNOWN  
---WATER INFORMATION---  
Body of Water: POND  
Tributary of:  
Nearest River Mile Marker:  
Water Supply Contaminated: UNKNOWN

---

IMPACT

Fire Involved: NO Fire Extinguished: UNKNOWN

INJURIES: NO Hospitalized:    Empl/Crew:    Passenger:  
FATALITIES: NO Empl/Crew:    Passenger:    Occupant:  
EVACUATIONS: NO Who Evacuated:    Radius/Area:

Damages: NO

	Hours	Direction of
Closure Type Description of Closure	Closed	Closure
N		
Air:		
N		Major
Road:		Artery: N
N		
Waterway:		
N		
Track:		

Environmental Impact: NO  
Media Interest: UNKNOWN Community Impact due to Material:

---

REMEDIAL ACTIONS

INVESTIGATION UNDERWAY.  
Release Secured: UNKNOWN  
Release Rate:  
Estimated Release Duration:

---

WEATHER

Weather: CLEAR, °F

---

ADDITIONAL AGENCIES NOTIFIED

Federal:  
State/Local:

State/Local On Scene:  
State Agency Number:

---

NOTIFICATIONS BY NRC

ALABAMA DEPT OF ENV MGMT (MAIN OFFICE)  
09-SEP-16 14:07 (334)3944382  
ALABAMA DEPT OF ENV MGMT (BIRMINGHAM FIELD OFFICE)  
09-SEP-16 14:07 (334)3944382  
AL U.S. ATTORNEY'S OFFICE (COMMAND CENTER)  
09-SEP-16 14:07 (205)2442188  
CENTERS FOR DISEASE CONTROL (GRASP)  
09-SEP-16 14:07 (770)4887100  
DHS NOC (NOC)  
09-SEP-16 14:07 (202)2828114  
DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE)  
09-SEP-16 14:07 (202)3661863  
U.S. EPA IV (MAIN OFFICE)  
(404)6504955  
U.S. EPA IV (DUTY OSC)  
09-SEP-16 14:07 (404)6504955  
JFO-LA (COMMAND CENTER)  
09-SEP-16 14:07 (225)3366513  
NATIONAL INFRASTRUCTURE COORD CTR (MAIN OFFICE)  
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NOAA RPTS FOR AL (MAIN OFFICE)  
09-SEP-16 14:07 (206)5264911  
NATIONAL RESPONSE CENTER HQ (AUTOMATIC REPORTS)  
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NTSB PIPELINE (MAIN OFFICE)  
09-SEP-16 14:07 (202)3146293  
DOI FOR REGION 4 (MAIN OFFICE)  
09-SEP-16 14:07 (404)3314524  
REPORTING PARTY (RP SUBMITTER)  
09-SEP-16 14:07  
ALABAMA EMA (MAIN OFFICE)  
09-SEP-16 14:07 (205)2802312  
TSA OFFICE OF SECURITY OPERATIONS (SURFACE COMPLIANCE BRANCH SE REGION)  
09-SEP-16 14:07 (904)9804075  
USCG DISTRICT 8 (MAIN OFFICE)  
09-SEP-16 14:07 (504)5896225  
USCG DISTRICT 8 (PLANNING)  
09-SEP-16 14:07 (504)6712080

---

ADDITIONAL INFORMATION

---

\*\*\* END INCIDENT REPORT #1158584 \*\*\*

Report any problems by calling 1-800-424-8802  
PLEASE VISIT OUR WEB SITE AT <http://www.nrc.uscg.mil>



**To:** Hill, Franklin[Hill.Franklin@epa.gov]; Chaffins, Randall[Chaffins.Randall@epa.gov]; Collins, Arthur[Collins.Arthur@epa.gov]; Webster, James[Webster.James@epa.gov]; Moore, Tony[moore.tony@epa.gov]; McGuire, Jim[McGuire.Jim@epa.gov]; Taylor, Matt[Taylor.Matt@epa.gov]; Rigger, Don[Rigger.Don@epa.gov]  
**Cc:** R4 Duty OSC Rotation[R4\_Duty\_OSC\_Rotation@epa.gov]  
**From:** Harper, Greg  
**Sent:** Sun 9/18/2016 9:11:25 PM  
**Subject:** Sunday ERNS Report

**SUNDAY ERNS REPORT FOR 0800 09/16/2016 TO 1600 09/18/2016**

-

**NRC 1158584, Pelham Pipeline Spill, Pelham, Shelby County, Alabama**

Daily SITREPS have been prepared and distributed, SITREP #9 will be sent out at approximately 1800 central time this evening.

There were no other EPA emergency response activities over the weekend.

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)



**To:** Berry, Chuck[Berry.Chuck@epa.gov]; Moore, Tony[moore.tony@epa.gov]; Masterson, Chris[Masterson.Christopher@epa.gov]; Harper, Greg[Harper.Greg@epa.gov]  
**From:** pelhamgasolinespill@epaosc.org  
**Sent:** Sun 9/18/2016 4:37:45 PM  
**Subject:** Pollution Report # (Initial)1 Pelham Pipeline Spill - Initial Pollution Report  
[pelhamgasolinespill\\_polrep\\_1.htm](#)

Added colonials address and phone number. fixed format issues

Attached is a Pollution Report (POLREP) regarding:

USEPA Region IV  
Pelham Pipeline Spill  
Pelham, AL

To view this POLREP, please open the attachment.

For additional information regarding this site,  
please visit the website by clicking on this link:  
<http://www.epaosc.org/pelhamgasolinespill>



U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
Pelham Pipeline Spill - Removal Polrep  
Initial Removal Polrep

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region IV

**Subject:** POLREP #1  
Initial Pollution Report  
Pelham Pipeline Spill

Pelham, AL  
Latitude: 33.2351920 Longitude: -86.9154150

**To:** James Webster, USEPA R4 ERRPB  
Grady Springer, ADEM

**From:** Charles Berry, Federal On-Scene Coordinator

**Date:** 9/18/2016

**Reporting Period:** 09/09/2016 - 09/17/2016

**1. Introduction**

**1.1 Background**

<b>Site Number:</b>	V4CO	<b>Contract Number:</b>	
<b>D.O. Number:</b>		<b>Action Memo Date:</b>	
<b>Response Authority:</b>	OPA	<b>Response Type:</b>	Emergency
<b>Response Lead:</b>	PRP	<b>Incident Category:</b>	Removal Action
<b>NPL Status:</b>	Non NPL	<b>Operable Unit:</b>	
<b>Mobilization</b>	9/9/2016	<b>Start Date:</b>	9/9/2016

---

<b>Date:</b>		<b>Completion Date:</b>	
<b>Demob Date:</b>		<b>RCRIS ID:</b>	
<b>CERCLIS ID:</b>		<b>State Notification:</b>	
<b>ERNS No.:</b>	1158584	<b>Reimbursable Account #:</b>	
<b>FPN#:</b>	E16444		
<b>1.1.1 Incident Category</b> Clean Water Act (CWA)/Oil Pollution Act (OPA) Emergency Response. Transportation related petroleum discharge from a gasoline pipeline that threatens navigable waters of the United States.			
<b>1.1.2 Site Description</b> The discharge occurred from a 36" below-ground gasoline pipeline onto surface mining property.			
<b>1.1.2.1 Location</b> The site is a rural area about 30 miles south of Birmingham, Alabama, in Shelby County. The discharge occurred on an inactive surface mine that is adjacent to the Cahaba River and a State of Alabama Wildlife Management Area. The closest residential or commercial property is about 2 miles away. The coordinates of the pipeline break are 33.235000, -86.915800. The impacted pond is located about 500 feet north at 33.236479, -86.916355.			
<b>1.1.2.2 Description of Threat</b> The spill was initially reported to Colonial Pipeline Company (CPC) by an Alabama Surface Mining Commission inspector. CPC inspectors then verified the report but were unable to access the pond closely due to vapors, rough terrain, and thick underbrush. CPC initially reported to the responding On-Scene Coordinator (OSC) that a highly estimated volume of 1,000 to 2,000 gallons of gasoline was on the pond. They were unable to report an estimate of the total spill volume. Later that day, CPC updated the total volume estimate to 1,000 bbs. The spill volume has since been updated to between 6,000 barrels [bbls] and 8000 bbls (252,000 gallons – 336,000 gallons). Further estimates may be reported as the recovery efforts			

continue. An exact volume will not be possible until CPC resumes service and performs a mass balance examination on the amount of product still in the line.

The discharge threatens navigable waters of the United States. The outfall from the ponds enters Peel Creek, which empties into the Cahaba River, which enters the Alabama River, which combines with the Tombigbee to form the Mobile River, which empties into Mobile Bay.

### **1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results**

On September 9, 2016, at 1449 hours EST, CPC reported to the National Response Center that there was a gasoline spill from a 36" below ground pipeline. OSC Chuck Berry was deployed and confirmed that oil was discharged to the environment and threatened the Cahaba River. After the fuel erupted from the surface, it traveled overland for approximately 500 feet to a pond (Pond 2) that feeds into a second pond (Pond 3), which then feeds into Peel Creek, which is a tributary of the Cahaba River. Fuel was observed on Pond 2 and was initially estimated to be feet to inches in thickness. The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels were detected around the spill location. Threatened and endangered species in the area of the spill were identified by the US Fish and Wildlife Service (FWS) and communicated to Unified Command. To date, five mammals including a rabbit, two raccoons, one fox, and one armadillo have been impacted; one reptile (turtle) has been impacted; and one white bird has been impacted. The bird is located in a restricted area and teams have not been able to collect it. No additional impacted wildlife was reported during this operation period. Stress and dead vegetation is present throughout the discharge site. Initially surface water sampling of Pond 3 has found concentrations of dissolved benzene in the water column.

## **2. Current Activities**

### **2.1 Operations Section**

#### **2.1.1 Narrative**

Emergency response operations began on September 9, 2016 to address the threat to waters of the United States.

### 2.1.2 Response Actions to Date

September 9-10, 2016

- Colonial determined a spill had occurred and notified the NRC. Colonial shut down operation of the damaged pipeline.
- OSC Berry arrived onsite and integrated into Unified Command.
- Response crews completed a Level B entry to physically measure the thickness of the product on the pond. The total thickness on the pond was estimated to be 3.25 inches, which corresponded to approximately 105,000 gallons based on the estimated surface area of the pond.
- Portable storage tanks were mobilized to the site, and Colonial initiated a plan to utilize storage space at the nearby Pelham Terminal.
- United States Coast Guard (USCG) Gulf Strike Team (GST) assistance was requested and deployed. Two additional OSC were deployed to assist.
- CPC's contractor began collecting surface water samples on 9/10/16.

September 11, 2016

- Residual fuel in the pipe continues to drain into Pond 2 at an estimated rate of 3-gallons per minute. CPC continues to excavate the pipe at locations approximately 1,500 feet from the leak point and install plugs to block the flow, but hard rock has delayed this process.
- The CPC contractors set up an air monitoring network and provided roving and escort services for personnel working inside the hot zone. Lower Explosive Level (LEL) readings as high as 99% were observed for short periods of time. Volatile Organic Compounds (VOC) levels remained high near the pond, with the highest observed level coming from a remote monitor at 2,999 parts per million (ppm). Response contractors monitored for benzene which peaked at 366.7 ppm. All personnel entering the hot zone were required to have flame resistant clothing and an air monitoring escort. Action levels for benzene, VOCs and explosive vapors were set at 30 ppm VOCs, 0.5 ppm benzene, and 10% LEL. Work continues to be interrupted by elevated

benzene and LEL concentrations.

- The initial tactic of pumping directly into vacuum trucks was transitioned to pumping into portable storage tanks first, with vacuum trucks hauling the material to other portable tanks at the staging area.
- Unified Command (UC) elected to augment the existing protection by building an underflow dam and placing additional boom at the outfall of Pond 3. CPC investigated additional diversion/collection structures further along the dry Peel creek bed prior to its confluence with the Cahaba River.
- EPA/GST continued to integrate into Operations and air monitoring. An OSC and two GST members spent the day on-site monitoring safety and progress.

September 12, 2016

- CPC completed installation of one stopple (a specialized pipeline plug) and continued installation of the second.
- VOCs peaked at 1,564 ppm; benzene peaked 8 ppm; and LEL peaked at 95%.
- CPC established a new pumping area on the north end of the pond where vapor levels were lower. Vacuum trucks continued to pump from this location. The diversions designed for Pond 3 were completed, which include an underflow dam at the pond's outfall. No oil sheening was visible along the shoreline at Pond 3. CPC agreed to continually monitor the pond and notify UC if any petroleum is noted.
- OSC Berry reviewed plans developed by the Planning Section, including an Impacted Wildlife Management and Waste Management plan.

September 13, 2016

- The pipeline continued to drain into Pond 2 at the unchanged rate of approximately 3 gallons per minute. CPC continued to install the plugs and was finalizing plans to remove the product from the segregated portion of the line.
- Work interruptions continued due to excessive benzene and LEL readings. The peak VOC level was observed at 489 ppm. The peak benzene level observed was 4.8 ppm. LEL levels remained in the 100% range.
- CPC continued to increase its footprint at the site,

building new roads to ease traffic congestion and allow for larger vehicles to access closer locations. A vapor recovery scrubber was mobilized to the site to aid with vapor emissions. A decontamination pad for trucks was constructed to decontaminate fuel-contaminated equipment.			
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September 14, 2016

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| <ul style="list-style-type: none"><li>• Installation of the second stopple was completed. CPC vacuumed out product and pressured the line with nitrogen to increase recovery. The pressurization of the line increased the rate of discharge at the break. LEL levels at the break were too high to recover product; therefore, it discharged to pond 2.</li><li>• VOCs peaked at 989 ppm; benzene peaked 17.5 ppm; and LEL peaked at 41%.</li><li>• An EPA Public Information Officer (PIO) arrived at Incident Command Center and integrated into the Joint Information Center (JIC). The JIC set up two interviews with all members of UC, including OSC Berry. The Birmingham, AL news outlets were WBRC and AL.com. Additionally, CPC visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.</li><li>• The fire chief on scene determined the storage of pure gasoline recovered directly from the pipeline could not be stored in the portable storage tanks in the staging area. CPC then began offload the vacuum trucks directly into tanker trucks for transport to the Pelham Junction facility. Scrubbers were used to reduce the gasoline vapors emitted during the transfer into the tanker trucks.</li><li>• An aviation floor restriction of 2,500 feet in a 3-mile radius around the work site was requested and received from The Federal Aviation Administration.</li><li>• Surface water sample results were presented during the UC briefing. Nine surface water sample locations have been established; two water samples collected from Pond 3 detected benzene at 90 micrograms per liter (<math>\mu\text{g/L}</math>) and 98 <math>\mu\text{g/L}</math>. The remaining seven were below detection laboratory limits.</li></ul> |  |  |  |
|--|--|--|--|

September 15, 2016

- CPC ceased recovering product from the segregated portion of the pipeline as the nitrogen displacement reached its maximum efficacy. CPC developed a displacement plan to use water displacement and a foam pig to push out the remainder of the fuel. UC agreed to the plan, and CPC was scheduled to begin exposing necessary areas of the pipeline during the next operational period.
- VOCs peaked at 2,699 ppm; benzene peaked 18 ppm; and LEL peaked at 196%.
- EPA explored areas along Peel Creek with GST and CPC personnel for potential placement of an additional underflow dam. CPC agreed to reserve material to construct these features. Additionally, CPC estimated a 10-hour construction time for this final structure. To facilitate access, CPC began construction of an access road along the entire length of Peel Creek.
- OSC Berry provided one telephone interview to the local NBC affiliate this afternoon.
- Overnight an unauthorized drone flew over the site. UC then asked the Shelby County Sheriff's Office to patrol the area by helicopter to enforce the air restriction put in place by the FAA.
- Two START members arrived on-scene to assist with surface water and sediment sampling operations.
- An additional OSC mobilized as the Deputy IC for EPA and provided comments to the Surface Water and Sediment Sampling Plan.
- Work-site operations ceased overnight due to increased VOCs, LEL, and benzene levels from 0230-0500. A temporary site-wide evacuation was ordered at 0300 due to elevated levels at the main staging area.
- CPC switched out the carbon-based vapor scrubber units for a liquid vapor scrubber unit. Due to high LEL, the UC has developed a Vapor Suppression Plan and a Site Evacuation Plan. Vapor suppression foam, F-500, will be used to allow for the soil excavation around the pipeline to continue. The OSC determined the use of a scheduled surface washing agent was necessary for life safety operations. While application is strictly to soil and there is low probability of runoff entering the pond, a notification to the RRT was made nonetheless.
- Recovery operations, utilizing vacuum trucks, continued at two points from Pond 2 (2a and 2b).
- Visual observations estimate gasoline thickness on pond 2 to be approximately 1-1.5 inches at recovery

point 2b, and less than 0.10 inch at recovery point 2a. The variance is due to prevailing winds pushing the fuel across the pond.

- CPC developed a backup plan for restoration of service by designing a bypass around the leak.

September 16, 2016

- The as-built drawings for the ponds were obtained from the property owner. The plans denote a connection pipe between Ponds 2 and 3. However, no product movement has been observed from one pond to another. CPC began formulating plans for investigating this connection.
- A 6-inch pipe was found at the outfall of Pond 3 into Peel Creek; however flow was restricted and likely due to a blockage. No product was observed in the runoff, and it was determined that it was an inverted inlet pulling water from below the surface. total flow was approximately 1-2 gpm. CPC installed a plug in the pipe to reduce the potential of petroleum impacted being released.
- VOCs peaked at 1,351.3 ppm; benzene peaked 3 ppm; and LEL peaked at 10%.
- CPC updated its mass balance calculation to a total of 336,000 gallons discharged. They estimate 200,705 gallons of fuel evaporated as of 9/16/16. These numbers are approximate and CPC will perform a final mass balance after product recovery activities are complete.
- An EPA Public Affairs Specialist arrived onsite to represent the EPA in the Join Information Center (JIC).
- Two START members continued to collect split surface water samples with CPC and conducted oversight of air monitoring activities. Split samples were collected from Pond 3 and the confluence of Peel Creek and Cahaba River. In additional, a third START provided ICS support.
- EPA approved the vapor suppression plan and evacuation plan in the area of the damaged pipe began at 15:30 this afternoon. Local firefighters used a vapor suppressant agent during excavation activities. however, excavation activities stopped after it was realized the soil staging area was too close to a major site traffic artery and may present vapor issues.
- Product recovery operations in Pond 2 are forced to

shut down when excavation occurs due to the threat of a fire generated during excavation travelling down the impacted discharge path into the pond. Recovery continues when excavation is interrupted. CPC primarily used drum skimmers to capture free product from Pond 2.

- Gasoline thickness on Pond 2 was observed visually at 1 inch.
- Total on-site level of effort increased to 721 response worker.
- A Regional Response Team (RRT4) call was held to update RRT4 members.

September 17, 2016

- CPC continued to evaluate options for investigating the connection between Ponds 2 and 3 and determined using an underwater camera would be the quickest, safest option.
- CPC completed the new soil staging area overnight and moved the excavated pile (generated during the previous operational period) to the new location. EPA advised CPC to have a secondary storage area ready in the event additional soil is excavated.
- Elevated benzene and lower explosive limit (LEL) continued to hinder progress. Minimal excavation occurred overnight due to elevated LEL and benzene readings at the leak site. CPC excavated an estimated 40 tons of soil. Local firefighters continued to use a vapor suppressant agent during excavation activities.
- Due to health and safety reasons, product recovery operations shut down while excavation occurs at the leak site. When excavation activities break or suspend due to elevated LEL and benzene levels, product recovery operations resume in Pond 2. Product recovery occurs at two points, the southwestern portion of the Pond (2a) and northeast portion of the Pond (2b). CPC primarily use drum skimmers to capture free product from Pond 2. Vacuum trucks from 2b are transferring recovered product to four storage tanks at staging 2b. There are two storage tanks at staging 2a, recovering product from recovery point 2a. Excavation activities and elevated LEL and benzene levels limited product recover efforts today.
- Inclement weather caused activities to shut down for a period of time.

- Visual observations indicate gasoline thickness on Pond 2 to be approximately 1-inch.
- Work interruptions continue due to excessive benzene and LEL readings. Today's VOC's peaked at 270 parts per million (ppm) at the 2a compressor; benzene peaked at 2.4 ppm at the release site; and LEL peaked at 26% at stopple 2.
- Two START members continued to collect split surface water samples with CPC. Split samples were collected from the Cahaba River in coordination with the Cahaba Riverkeeper and CPC's environmental consultant. START was unable to collect split samples from Pond 3 and Peel Creek due to excavation at the leak site; however, CPC's environmental consultant had a crew in the area and was able to collect samples from this area.
- EPA/GST remained incorporated into Operations and air monitoring.
- CPC continued to stage material and prepare for pushing the pig through the pipe to remove the remaining product. This process is anticipated to begin on Sunday afternoon and will be completed Monday morning.
- CPC continued to implement the plan to install an approximate 1,000 foot section of pipe to by-pass the leak site. This plan was developed with the input of Pipeline and Hazardous Materials Safety Agency (PHMSA). Once installed, the pipeline can resume service.
- The City of Helena Utilities is conducting well water sampling for the constituents found in gasoline at the nearest drinking water well to the site. This well is 5 miles away, and the potential for contamination is limited.

### **2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)**

The pipeline is owned and operated by the Colonial Pipeline Company.

1185 Sanctuary Parkway, Suite 100

P.O. Box 1624

Alpharetta, GA 30009

678-762-2200

#### 2.1.4 Progress Metrics

The following table summarizes the spill volumes discharged and/or loss to the environment. These volumes are estimates and subjected to change as new intelligence is received from the field.

	Medium	Quantity	Manifest #	Treatment	Disposition
Fuel recovered from Pond 2	Liquid	85,976 gallons	TBD	TBD	TBD
Petroleum contact water (PCW)	Liquid	242,255 gallons	TBD	TBD	TBD
Fuel recovered from the Pipeline*	Liquid	45,069 gallons	NA	NA	NA
Estimated fuel loss to the environment due to evaporation**		219,595 gallons	NA	NA	NA

\*Fuel recovered from the pipeline will be transferred offsite and used a product.

\*\*Estimated fuel loss to the environment due to evaporation is a mathematical calculation based on the surface area of Pond 2.

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### 2.2.1 Planned Response Activities

Below are the planned activities from September 18, 2016 to September 24, 2016.

Inclement weather may threaten progress during the next reporting period as there is potential for afternoon thunderstorms. The following activities are planned during the next operation period:

- EPA will continue to participate in UC.
- EPA will monitor removal activities and participate in operational planning.
- START will continue to collect additional split surface water samples with the CPC environmental contractor and the Cahaba River Keeper. As analytical results are received, the need to continue split sampling will be evaluated and modified, as needed.
- START will continue to monitor CPC's air monitoring efforts.
- EPA will continue to participate in the Joint Information Center.
- EPA will assist CPC and provide input while CPC Prepares for and coordinate a transition to a removal phase.
- CPC will pre-stage oil containment booms on the Cahaba River in the event petroleum impacted waters are detected.
- EPA will oversee and provide input as CPC installs an additional underflow dam near the confluence of Peel Creek and the Cahaba River.
- CPC will pre-stage aeration equipment along Peel Creek.
- CPC continues to work toward completing the pipeline bypass to restore service.
- CPC continues to recover fuel from Pond 2.
- CPC will push a pig through the damaged section of pipe to remove the remaining fuel in the line so that the damaged section can be removed and the by-pass can be attached to the main line.
- Investigate locations and feasibility for interceptor trenches between the pipeline breach and Pond 2.
- Investigate and develop plan to plug the connection between Pond 2 and 3.

### 2.2.2 Issues

	<p>While the pumps are shut off and the pipeline plugged, gasoline remains in the section of piping between the two plugs and continues to drain into Pond 2. The flow rate has lessened, but visually appears to be approximately 3 gallons per minute. The high level of explosive vapors is the greatest limiting factor to recovery operations. Flammable environment in the work areas routinely cause delays in operations.</p> <p>The remote location of the spill site has required extensive site improvements, installation of access roads for equipment and staging areas.</p> <p>The pipeline disruption is impacting gasoline supplies. The governors of the States of Alabama, Georgia, Tennessee, South Carolina, North Carolina and Virginia issued executive orders that temporarily suspend various state regulations extending truck driver operating hours that had the potential to impede the delivery of additional gasoline supplies.</p> <p>CPC requested a waiver of the prohibition for commingling provisions [found in 40 C.F.R. § 80.78(a)(7) ] that prohibits any person from combining any reformulated gasoline blendstock for oxygenate blending with any other gasoline, blendstock, or oxygenate, unless certain conditions are met. The waiver request was issued on September 16, 2016 and will expire October 6, 2016, EPA issued an emergency fuel waiver of the reformulated gasoline (RFG) requirements in Alabama, Delaware, Georgia, Kentucky, Maryland, Mississippi, New Jersey, North Carolina, South Carolina, Tennessee, Virginia and the District of Columbia. The waiver is in response to a disruption in the supply of low volatility fuel caused by an unanticipated pipeline failure in Alabama.</p>			
<b>2.3 Logistics Section</b>	<p>A full Incident Management Team has been implemented. All key leadership positions have been staffed.</p>			
<b>2.4 Finance Section</b>				
	<b>2.4.1 Narrative</b>			
	<p>A Federal Product Number (FPN) was requested and received from the National Pollution Fund Center (NPFC)</p>			

for \$100,000				
<b>Estimated Costs</b>	<b>Budgeted</b>	<b>Total To Date</b>	<b>Remaining</b>	<b>% Remaining</b>
<b>Extramural Costs</b>				
START	\$30,000.00	\$16,000.00	\$14,000.00	46.67%
USCG GST	\$10,000.00	\$6,000.00	\$4,000.00	40.00%
<b>Intramural Costs</b>				
USEPA - Direct	\$45,000.00	\$33,000.00	\$12,000.00	26.67%
USEPA - InDirect	\$15,000.00	\$15,000.00	\$0.00	0.00%
<b>Total Site Costs</b>	<b>\$100,000.00</b>	<b>\$70,000.00</b>	<b>\$30,000.00</b>	<b>30.00%</b>

\* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

## 2.5 Other Command Staff

A full Incident Management Team has been implemented. All key leadership positions have been staffed.

## 3. Participating Entities

### 3.1 Unified Command

The following Agencies and Organizations are integrated into Unified Command:

- Colonial Pipeline Company
- Alabama Department of Environmental Management
- United States Environmental Protection Agency
- City of Helena
- City of Pelham
- Shelby County

### 3.2 Cooperating Agencies

- Pipeline and Hazardous Material Safety Administration (PHMSA)
- United States Fish and Wildlife
- Cahaba Riverkeepers
- Alabama Department of Conservation and Natural Resources

#### **4. Personnel On Site**

OSC Chuck Berry integrated into Unified Command initially and demobilized on September 17, 2016. OSC Kevin Eichinger assumed EPA's position in Unified Command.

EPA OSCs, the United States Coast Guard (USCG) Gulf Strike Team (GST) and the Superfund Technical Assessment and Response Team (START) are embed in the Operations Sections.

An OSC and START member are embed in the Environmental Unit.

An EPA Public Affairs Specialist and a Public Information Officer are also assigned to the Joint Information Center (JIC).

Current number of EPA personnel Assigned: 6

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

Current number START personnel: 3

Total number of Colonial response personnel: 721 (this number has varied throughout the response)

#### **5. Definition of Terms**

Abbreviations and acronyms are spelled out within the text of the Pollution Report. Definitions will be added to this section as necessary.

ATSDR - Agency for Toxic Substances Disease Registry

CPC - Colonial Pipeline Company

EPA - Environmental Protection Agency

OSC - On- Scene Coordinator

ADEM - Alabama Department of Environmental Management

NCP - National Oil and Hazardous Substances Pollution Contingency Plan

NRC - National Response Center

CFR - Code of Federal Regulations

RP - Responsible Party

NOFI - Notice of Federal Interest

EMA - Emergency Management Agency

ERRS - Emergency Rapid Response Service

START - Superfund Technical Assessment Response Team

USCG - United States Coast Guard

GST - Gulf Strike Team

FPN - Federal Project Number

TCLP - Toxicity Characteristic Leaking Procedure

RCRA - Resource Conservation and Reclamation Act

OPA - Oil Pollution Act

CWA - Clean Water Act ERRS - Emergency and Rapid Response Services

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RP - Responsible Party

NOFI - Notice of Federal Interest

EMA - Emergency Management Agency

ERRS - Emergency Rapid Response Service

CERCLA - Comprehensive Environmental Response, Compensation and Liability Act

FPN - Federal Project Number

TCLP - Toxicity Characteristic Leaking Procedure

RCRA - Resource Conservation and Reclamation Act

OPA - Oil Pollution Act

CWA - Clean Water Act

ERRS - Emergency and Rapid Response Services

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CFR - Code of Federal Regulations  
RP - Responsible Party  
NOFI - Notice of Federal Interest  
EMA - Emergency Management Agency  
ERRS - Emergency Rapid Response Service  
CERCLA - Comprehensive Environmental Response, Compensation and Liability Act  
FPN - Federal Project Number  
TCLP - Toxicity Characteristic Leaking Procedure  
RCRA - Resource Conservation and Reclamation Act  
OPA - Oil Pollution Act  
CWA - Clean Water Act  
ERRS - Emergency and Rapid Response Services

## **6. Additional sources of information**

### **6.1 Internet location of additional information/report**

Documents, photographs, maps and other important/pertinent information can be found at <https://www.epaosc.org/pelhamgasolinespill>.

### **6.2 Reporting Schedule**

Situation Reports (SITREPS) will be delivered 1800 EDT daily. Pollution Reports (POLREPS) will be issued weekly. This reporting schedule is subjected to change. Documents, photographs, maps and other important/pertinent information can be found at <https://www.epaosc.org/PalmerPetroleum>.

## **7. Situational Reference Materials**

Documents, photographs, maps and other important/pertinent information can be found at <https://www.epaosc.org/pelhamgasolinespill>.

Colonial Pipeline has established an incident specific website at <https://helena.colonialresponse.com/>.

**To:** Moore, Tony[moore.tony@epa.gov]; Masterson, Chris[Masterson.Christopher@epa.gov];  
Harper, Greg[Harper.Greg@epa.gov]  
**Cc:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** pelhamgasolinespill@epaosc.org  
**Sent:** Sun 9/18/2016 4:30:14 PM  
**Subject:** Pollution Report # (Initial)1 Pelham Pipeline Spill - Initial Pollution Report  
pelhamgasolinespill\_polrep\_1.htm

Attached is a Pollution Report (POLREP) regarding:

USEPA Region IV  
Pelham Pipeline Spill  
Pelham, AL

To view this POLREP, please open the attachment.

For additional information regarding this site,  
please visit the website by clicking on this link:  
<http://www.epaosc.org/pelhamgasolinespill>



**To:** Eoc, Epahq[Eoc.Epahq@epa.gov]  
**From:** Eoc, Epahq  
**Sent:** Sat 9/17/2016 7:52:24 PM  
**Subject:** EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584) – Update #6

**This report is being sent as a bcc to prevent accidental Reply to All messages.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**



## **EOC Spot Report: Region 4, Colonial Pipeline Spill into Pond Near Peel Creek, Pelham, AL (NRC # 1158584) – Update #6**

**US Environmental Protection Agency**

**Report as of 1600 ET on 09/17/2016**

**Overview:** On September 9<sup>th</sup> at 1449 ET, Colonial Pipeline reported to the National Response Center that there was a gasoline spill from a 36" subsurface transmission line. Gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek, a tributary of the Cahaba River. An estimated 6,000 barrels of gasoline (253,000 gallons) have been discharged as a result of the leak. The spill volume has since been updated to between 6,000 barrels [bbls] and 8000 bbls (252,000 gallons – 336,000 gallons). The spill location is in a remote location so no evacuations are necessary. The nearest residential neighborhood is located two miles away.

Colonial Pipeline crews continue to prepare the affected pipeline segment for excavation and repair while cleaning up the spill. Colonial Pipeline continues to collaborate with local, state and federal agencies, including the Environmental Protection Agency, Shelby County Emergency Management Agency, Helena Fire Department, Pelham Fire Department, and others in connection with the response. As a precautionary measure, airspace above the release location has been restricted to further protect responders, personnel and the public. According to the FAA, the restriction will remain in effect until 9/18/16.

Colonial has removed approximately 286,481 gallons of liquid from Pond 2. An estimated 233,288 gallons of mixed oil/water remain. Colonial established a pumping area on the north end of the pond where vapor levels were lower. Vacuum trucks continue to pump from this location. CPC performed a mass balance calculation and determined an estimated volume of 252,000 gallons of fuel was discharged. That number has been revised to an estimated 336,000 gallons. They estimate 200,705 gallons of fuel evaporated as of 9/16/16. These numbers are approximate and CPC will perform a final mass balance after product recovery activities are complete.

The high level of explosive vapors is the greatest limiting factor to recovery operations. Colonial contractor CTEH is on site providing air monitoring services. All personnel entering the hot zone are required to have flame resistant clothing and an air monitoring escort. Action levels for benzene, VOCs and explosive vapors have been established.

The diversions designed for Pond 3 are in place, which include a substantial underflow dam at the pond's outfall. No oil sheening is visible along the shoreline at Pond 3. Colonial continues to monitor the pond and will notify Unified Command if any petroleum is observed.

No adverse weather impacts are expected for the next operational period.

**State, Local and other Federal Agency Actions:** The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. The Shelby County Emergency Management Association (EMA) responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State- and County-level agencies. An Incident Command post was established in Hoover, Alabama. United States Coast Guard

(USCG) Gulf Strike Team (GST) members have been assisting with health and safety oversight and response operations. There are approximately 721 response worker onsite.

**EPA Actions:** Six EPA Region 4 personnel, 4 USCG Strike Team Members, and 3 EPA START Contractors are currently deployed to assist with the response and are integrated into Unified Command. The START contractors continue the collection of split surface water samples with CPC, are conducting oversight of air monitoring activities, and assisting with ICS. EPA and USCG GST members are incorporated into air monitoring efforts. A Community Involvement Coordinator (CIC) is assisting at the Joint Information Center (JIC). A Regional Response Team (RRT4) call was held today to update RRT4 members. A Natural Resources Trustee consultation was held with a Region 4 Department of Interior representative. Threatened and endangered species in the area of the spill have been identified but are not impacted. Due to the ongoing response efforts, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

The US Environmental Protection Agency (EPA) issued an emergency fuel waiver of the reformulated gasoline (RFG) requirements in Alabama, Delaware, Georgia, Kentucky, Maryland, Mississippi, New Jersey, North Carolina, South Carolina, Tennessee, Virginia and the District of Columbia

**Media Interest:** Low (local)

**The HQ EOC will continue to monitor and provide updates as needed.**

**UNCLASSIFIED//FOR OFFICIAL USE ONLY**

Eugene Lee, Senior Watch Officer

U.S. Environmental Protection Agency

Headquarters Emergency Operations Center

1200 Pennsylvania Ave

Washington, DC 20004

202-564-3850

<mailto:eoc.epahq@epa.gov>

**To:** Joyce\_Stanley@ios.doi.gov[Joyce\_Stanley@ios.doi.gov]  
**Cc:** Andrew, Gary[Andrew.Gary@epa.gov]; Eichinger, Kevin[Eichinger.Kevin@epa.gov]; Berry, Chuck[Berry.Chuck@epa.gov]; Webster, James[Webster.James@epa.gov]  
**From:** Bella, Miguel L CIV  
**Sent:** Sat 9/17/2016 7:17:40 PM  
**Subject:** RE: [Non-DoD Source] Re: Colonial Pipeline Spill

Joyce - can I get a copy of the document stating the work proposed too? I want to get this right.

Miguel L. Bella  
USCG NPFC  
Team II Lead  
2027956069

---

**From:** Webster, James  
**Sent:** Saturday, September 17, 2016 2:59:11 PM  
**To:** Joyce\_Stanley@ios.doi.gov  
**Cc:** Andrew, Gary; Eichinger, Kevin; Berry, Chuck; Bella, Miguel L CIV  
**Subject:** [Non-DoD Source] Re: Colonial Pipeline Spill

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DX0bts1HHaVr8\_4KKPda7Qck&m=hZMcJy9dmb045t2Q5WrF66kzcrDPNu\_r5O\_Q6cg2ok4&s=UEUX0n  
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**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**Cc:** Andrew, Gary[Andrew.Gary@epa.gov]; Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**From:** Webster, James  
**Sent:** Sat 9/17/2016 6:40:11 PM  
**Subject:** Re: Colonial Pipeline Spill

Well let's talk. I am home.

Sent from my iPhone

On Sep 17, 2016, at 2:39 PM, Berry, Chuck <Berry.Chuck@epa.gov> wrote:

I removed Joyce from this thread.

I also just spoke with Miguel.

We ALL need to talk.

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 17, 2016, at 13:50, Webster, James <Webster.James@epa.gov> wrote:

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2/2/17



**To:** Joyce\_Stanley@ios.doi.gov[Joyce\_Stanley@ios.doi.gov]  
**Cc:** Andrew, Gary[Andrew.Gary@epa.gov]; Eichinger, Kevin[Eichinger.Kevin@epa.gov]; Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Webster, James  
**Sent:** Sat 9/17/2016 5:50:23 PM  
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**From:** Stanley, Joyce  
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**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Eichinger, Kevin  
**Sent:** Sat 9/17/2016 2:56:03 PM  
**Subject:** RE: New SITREP Format

<https://www.youtube.com/watch?v=P3O-g2DaSv0>

**From:** Berry, Chuck  
**Sent:** Saturday, September 17, 2016 10:55 AM  
**To:** Eichinger, Kevin <Eichinger.Kevin@epa.gov>  
**Subject:** Re: New SITREP Format

I'm eating pancakes at IHOP right now. Slept til 9.

Glorious.

On Sep 17, 2016, at 09:43, Eichinger, Kevin <Eichinger.Kevin@epa.gov> wrote:

Yeah, agree. We will be far more detailed on restoration of service. I will add the waiver update to the restoration of service. Go to home, get more sleep. Play with the baby...

Kevin

**From:** Berry, Chuck  
**Sent:** Saturday, September 17, 2016 10:41 AM  
**To:** Eichinger, Kevin <Eichinger.Kevin@epa.gov>  
**Cc:** Harper, Greg <Harper.Greg@epa.gov>; Moore, Tony <moore.tony@epa.gov>  
**Subject:** Re: New SITREP Format

Kevin:

Now that restoration is in everyone's radar, I suggest we move to a higher level of reporting on that unified command objective.

I know this wasn't a real sit rep but I've been skirting the issue in my previous reports. We (I guess YOU since you stole my site) should probably feed more of that up the ladder.

Chuck Berry

EPA OSC

404.859.0970

On Sep 17, 2016, at 08:52, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

All,

Chuck and I have not been happy with the SITREP format that I initially put together last Saturday. Attached is the new example format. Let me know what you think.

Kevin

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

U.S. Environmental Protection Agency, Region 4 | 61 Forsyth St SW | Atlanta, Georgia | 30303

Emergency Response, Removal and Prevention Branch (ERRB)

office: 404-562-8268 | cell: 678-897-3759 | [epaosc.org](http://epaosc.org)

<Pelham\_Pipeline\_Spill\_Template\_09162016.docx>

**To:** Moore, Tony[moore.tony@epa.gov]; Berry, Chuck[Berry.Chuck@epa.gov]  
**Cc:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Eichinger, Kevin  
**Sent:** Sat 9/17/2016 2:45:59 PM  
**Subject:** RE: New SITREP Format

No dates, only current ops plans. There are two concurrent operations in play to restore service. We will report more detail info on those two plans.

**From:** Moore, Tony  
**Sent:** Saturday, September 17, 2016 10:44 AM  
**To:** Berry, Chuck <Berry.Chuck@epa.gov>  
**Cc:** Eichinger, Kevin <Eichinger.Kevin@epa.gov>; Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** Re: New SITREP Format

Don't put that in writing unless it's achievable. Sitreps are public. Restoration has been the big question. Let's talk.

Sent from my iPhone

On Sep 17, 2016, at 10:41 AM, Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)> wrote:

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<Pelham\_Pipeline\_Spill\_Template\_09162016.docx>

**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Eichinger, Kevin  
**Sent:** Sat 9/17/2016 2:44:39 PM  
**Subject:** RE: New SITREP Format

Yes sir. You rock and are the best IC/OSC and deserve another medal.

**From:** Berry, Chuck  
**Sent:** Saturday, September 17, 2016 10:43 AM  
**To:** Eichinger, Kevin <Eichinger.Kevin@epa.gov>  
**Cc:** Harper, Greg <Harper.Greg@epa.gov>; Moore, Tony <moore.tony@epa.gov>  
**Subject:** Re: New SITREP Format

You should also update EPAOSC front page. That information is dated as well.

Chuck Berry

EPA OSC

404.859.0970

On Sep 17, 2016, at 08:52, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

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office: 404-562-8268 | cell: 678-897-3759 | [cpaosc.org](http://cpaosc.org)

<Pelham\_Pipeline\_Spill\_Template\_09162016.docx>

**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**Cc:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]; Harper, Greg[Harper.Greg@epa.gov]  
**From:** Moore, Tony  
**Sent:** Sat 9/17/2016 2:44:05 PM  
**Subject:** Re: New SITREP Format

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Sent from my iPhone

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EPA OSC  
404.859.0970

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<Pelham\_Pipeline\_Spill\_Template\_09162016.docx>

**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**Cc:** Harper, Greg[Harper.Greg@epa.gov]; Moore, Tony[moore.tony@epa.gov]  
**From:** Eichinger, Kevin  
**Sent:** Sat 9/17/2016 2:43:57 PM  
**Subject:** RE: New SITREP Format

Yeah, agree. We will be far more detailed on restoration of service. I will add the waiver update to the restoration of service. Go to home, get more sleep. Play with the baby...

Kevin

**From:** Berry, Chuck  
**Sent:** Saturday, September 17, 2016 10:41 AM  
**To:** Eichinger, Kevin <Eichinger.Kevin@epa.gov>  
**Cc:** Harper, Greg <Harper.Greg@epa.gov>; Moore, Tony <moore.tony@epa.gov>  
**Subject:** Re: New SITREP Format

Kevin:

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Kevin

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office: 404-562-8268 | cell: 678-897-3759 | [cpaosc.org](http://cpaosc.org)

<Pelham\_Pipeline\_Spill\_Template\_09162016.docx>

**To:** Eichinger, Kevin[Eichinger.Kevin@epa.gov]  
**Cc:** Harper, Greg[Harper.Greg@epa.gov]; Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Moore, Tony  
**Sent:** Sat 9/17/2016 1:54:32 PM  
**Subject:** Re: New SITREP Format

That's fine. You guys know what I'm looking for.

Sent from my iPhone

On Sep 17, 2016, at 9:52 AM, Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)> wrote:

All,

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<Pelham\_Pipeline\_Spill\_Template\_09162016.docx>



**To:** Harper, Greg[Harper.Greg@epa.gov]; Moore, Tony[moore.tony@epa.gov]  
**Cc:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Eichinger, Kevin  
**Sent:** Sat 9/17/2016 1:52:28 PM  
**Subject:** New SITREP Format  
Pelham Pipeline Spill Template 09162016.docx

All,

Chuck and I have not been happy with the SITREP format that I initially put together last Saturday. Attached is the new example format. Let me know what you think.

Kevin

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office: 404-562-8268 | cell: 678-897-3759 | [epaosc.org](http://epaosc.org)





**NRC 1158584, Pelham Pipeline Spill**  
**Pelham, Shelby County, Alabama**  
**SITUATION REPORT #8**  
1800 CDT, September 17, 2016

**INCIDENT SUMMARY**

On September 9, 2016, at 1449 hours, Colonial Pipeline Company (CPC) reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River).

CPC initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond. The spill volume has since been updated to between [REDACTED].

Alabama Department of Environmental Management (ADEM) and Environmental Protection Agency (EPA) have integrated into Unified Command and are coordinating with State and County Agencies. An Incident Command Post is being operated out of Pelham, Alabama. The spill location is located in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

**INCIDENT MANAGEMENT AND STAFFING**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, CPC, ADEM, and Shelby County. OSC Berry will demobilize on September 17, 2016. OSC Kevin Eichinger will resume EPA's position in Unified Command. OSC Garrard, OSC Tripp and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. OSC Stilman remains deployed to assist in the Environmental Unit. Kerisa Coleman, a public affairs specialist, arrived September 16, 2016 to assist in the Joint Information Center (JIC).

A Regional Response Team (RRT4) call was held today to update RRT4 members.

Current number of EPA Personnel Assigned: 6

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

Current number START Personnel: 3

Total number of response Personnel:

**CURRENT RELEASE AND RECOVERY ESTIMATES**

Current Release Estimate – 6000 bbl to 8000 bbls

Recovery Volumes:

Fuel/Waste Recovery	Volume Since Last SITREP	Total Volume to Date
Recovered from Pond #2		
Evaporation		

Bond in the Soil	TBD	TBD
Petroleum Contact Water		
<b>TOTAL</b>		

## **CURRENT OPERATIONS**

### **1) Product Recovery and Removal**

- Diversions designed for Pond 3 include a weir and two an underflow dam (at the Pond outfall). CPC continues to monitor Pond 3. No oil sheening has been seen along the shoreline on Pond 3. Unified Command (UC) will be notified if any petroleum is observed. OSC Garrard, along with the Gulf Strike Team (GST) and CPC personnel identified additional locations along Peel Creek for potential placement of an additional underflow dam. CPC has agreed to reserve material to construct these features. CPC has estimated a 10-hour construction time for this final structure. To facilitate access, CPC completed construction of an access road along the entire length of Peel Creek.
- A 6-inch pipe was observed to discharge water from Pond 3; however, flow was restricted and likely due to a blockage. CPC has installed a plug in the 6-inch pipe attached to Pond 3 to help reduce the potential of petroleum impacted being released.
- EPA approved the vapor suppression plan and evacuation plan; therefore excavation in the area of the damaged pipe began at 15:30 this afternoon. Local firefighters used a vapor suppressant agent during excavation activities.
- Product recovery operations continue in Pond 2 at two points, southwestern portion of the Pond (2a) and northeast portion of the Pond (2b). CPC primarily used drum skimmers to capture free product from Pond 2. Vacuum trucks from 2b are transferring recovered product to 4 storage tanks at staging 2b. There are 2 storage tanks at staging 2a where they are recovering product from recovery point 2a.
- There are currently 14 storage tanks at the main staging area. Visual observations indicate gasoline thickness on Pond 2 to be approximately 1-inch.

### **2) Environmental Sampling and Impacts**

#### **a. Air Monitoring**

- Work interruptions continue due to excessive benzene and LEL readings. Today's VOC exceedance levels range from 0 – 1,351.3 (Pond 2a compressor) parts per million (ppm). The exceedances from benzene range 0.05 – 3 (release site) ppm. LEL exceedance levels range from 0% - 10% (Release site).

#### **b. Surface Water**

- Two START members continue to collect split surface water samples with CPC and conduct oversight of air monitoring activities. Split samples were collected from Pond 3 and confluence of Peel Creek and Cahaba River. In addition, a third START is providing ICS support.

#### **c. Wildlife Impacts**

- The CPC environmental consultant is responsible for identifying and documenting impacted wildlife. To date, four mammals including a rabbit, two raccoons, one fox, and one armadillo have been impacted; one reptile (turtle) has been impacted; and one white bird has been impacted. The bird is located in a restricted area and teams have not been able to get to it.

**3) Health and Safety Oversight**

- EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard, OSC Tripp, and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.
- The Federal Aviation Administration (FAA) continues to maintain an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

**4) Restoration of Services**

- 
- CPC requested a waiver of the prohibition for commingling provisions are found in 40 C.F.R. § 80.78(a)(7) that prohibits any person from combining any reformulated gasoline blendstock for oxygenate blending with any other gasoline, blendstock, or oxygenate, unless certain conditions are met. The waiver request is currently being processed

**5) Remediation Planning**

**PLANNED RESPONSE ACTIVITIES**

The EPA OSC has requested that START collect additional surface water samples with the Cahaba Riverkeeper. START will collect the samples during the next operational period. START and OSC Stilman will continue to monitor CPC's sampling and monitoring efforts. The following activities remain unchanged and continue during the response efforts:

- Continue to participate in UC
- Monitor removal activities
- Monitor safety air monitoring
- Participate in the Joint Information Center
- Prepare for and coordinate a transition to a removal phase
- Perform water sampling



**From:** Andrew, Gary  
**Location:** 1-866-299-3188; 4045628758#  
**Importance:** High  
**Subject:** New Time ! RRT 4 Incident Specific Activation - Pelham Pipeline Spill  
**Start Date/Time:** Fri 9/16/2016 6:00:00 PM  
**End Date/Time:** Fri 9/16/2016 7:00:00 PM

Time Adjusted to Meet Field Schedule

Draft Agenda:

RRT 4 Incident Specific Activation: Pelham Pipeline Spill

Roll Call: Gary Andrew

Welcome: James Webster

Site Briefing: EPA OSC Chuck Berry

Discussion: James Webster

Summary: Gary Andrew

Closing Comments: Co-Chairs, ADEM, DOI

Call-in #:

Conference #.

Sp

**Redaction(s)  
subject to Exemption 6 (Personal  
Privacy Information)**

>



**To:** Berry, Chuck[Berry.Chuck@epa.gov]; Andrew, Gary[Andrew.Gary@epa.gov]  
**Cc:** forest.a.willis@uscg.mil[forest.a.willis@uscg.mil];  
Joyce\_St Stanley@ios.doi.gov[Joyce\_St Stanley@ios.doi.gov];  
GSpringer@adem.state.al.us[GSpringer@adem.state.al.us];  
lindy\_nelson@ios.doi.gov[lindy\_nelson@ios.doi.gov]; Gwen Keenan[gwen.keenan@fema.dhs.gov];  
Stilman, Terry[Stilman.Terry@epa.gov]; Harper, Greg[Harper.Greg@epa.gov]; Moore,  
Tony[moore.tony@epa.gov]  
**From:** Webster, James  
**Sent:** Fri 9/16/2016 1:57:27 PM  
**Subject:** RE: RRT 4 Incident Specific Activation - Pelham Pipeline Spill

I am available anytime this afternoon

-----Original Message-----

**From:** Berry, Chuck  
**Sent:** Friday, September 16, 2016 9:35 AM  
**To:** Andrew, Gary <Andrew.Gary@epa.gov>  
**Cc:** forest.a.willis@uscg.mil; Webster, James <Webster.James@epa.gov>; Joyce\_St Stanley@ios.doi.gov;  
GSpringer@adem.state.al.us; lindy\_nelson@ios.doi.gov; Gwen Keenan <gwen.keenan@fema.dhs.gov>;  
Stilman, Terry <Stilman.Terry@epa.gov>; Harper, Greg <Harper.Greg@epa.gov>; Moore, Tony  
<moore.tony@epa.gov>  
**Subject:** Re: RRT 4 Incident Specific Activation - Pelham Pipeline Spill

I'll be in the field until noon my time at the earliest. It's too loud out there to conduct this call. Can we find  
sometime later?

Chuck Berry  
EPA OSC  
404.859.0970

On Sep 16, 2016, at 08:25, Andrew, Gary <Andrew.Gary@epa.gov> wrote:

Draft Agenda:

RRT 4 Incident Specific Activation: Pelham Pipeline Spill Roll Call: Gary Andrew  
Welcome: James Webster  
Site Briefing: EPA OSC Chuck Berry  
Discussion: James Webster  
Summary: Gary Andrew  
Closing Comments: Co-Chairs, ADEM, DOI

Call-in #: :  
Conference #:  
<meeting.ics>

**Redaction(s)  
subject to Exemption 6 (Personal  
Privacy Information)**



**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Andrew, Gary  
**Sent:** Fri 9/16/2016 1:40:55 PM  
**Subject:** RE: RRT 4 Incident Specific Activation - Pelham Pipeline Spill

What do you have in mind?

Gary A

-----Original Message-----

From: Berry, Chuck  
Sent: Friday, September 16, 2016 9:35 AM  
To: Andrew, Gary <Andrew.Gary@epa.gov>  
Cc: forest.a.willis@uscg.mil; Webster, James <Webster.James@epa.gov>; Joyce\_Stanley@ios.doi.gov; GSpringer@adem.state.al.us; lindy\_nelson@ios.doi.gov; Gwen Keenan <gwen.keenan@fema.dhs.gov>; Stilman, Terry <Stilman.Terry@epa.gov>; Harper, Greg <Harper.Greg@epa.gov>; Moore, Tony <moore.tony@epa.gov>  
Subject: Re: RRT 4 Incident Specific Activation - Pelham Pipeline Spill

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404.859.0970

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Call-in #:  
Conference #:  
<meeting.ics>

Redaction(s)  
subject to Exemption 6 (Personal  
Privacy Information)

S



**To:** Berry, Chuck[Berry.Chuck@epa.gov]; Harper, Greg[Harper.Greg@epa.gov]; Masterson, Chris[Masterson.Christopher@epa.gov]  
**From:** AutoResponseCANAPS@uscg.mil  
**Sent:** Fri 9/16/2016 12:26:55 PM  
**Subject:** E16444 - Update CANAPS Project

CANAPS has processed a CEILING UPDATE REQUEST. Below is all of the information entered by the user or calculated by CANAPS. This Email serves as a confirmation that the request has been processed. An official Coast Guard Messaging System (CGMS) message will be automatically generated.

Recipients are reminded that the issuance of this project number and ceiling does not in any way change the authorizations or restrictions in the instructions/guidance for emergency acquisition procedures.

If you need to contact someone after business hours (Eastern Time), call the NPFC Case Management Duty Officer (CDO) at (202) 494-9118.

CANAPS Transaction Type:	CEILING UPDATE
Project Number:	E16444
Ceiling Update Date:	16 SEP 2016.
Incident Date:	09 SEP 2016.
Incident Name:	PELHAM PIPELINE SPILL - E16444
Previous CG Cost Ceiling:	No Data Entered
Previous OSLTF/CERCLA Ceiling:	\$50,000.00
Previous Total Ceiling:	\$50,000.00
CG Cost Amount Requested:	No Data Entered
OSLTF/CERCLA Amount Requested:	\$100,000.00
Total Amount Requested:	\$100,000.00
Approved CG Cost Ceiling:	No Data Entered
Approved OSLTF/CERCLA Ceiling:	\$100,000.00
Approved Total Ceiling:	\$100,000.00
CG Cost Obligations/Expenditures:	No Data Entered

OSLTF/CERCLA \$21,183.80

Obligations/Expenditures:

Total Obligations/Expenditures: \$21,183.80

Incident Location: PELHAM

Incident State: AL

FOSC Unit: EPA Region 4

POC/FOSC Name: CHARLES BERRY

POC/FOSC Email: [BERRY.CHUCK@EPA.GOV](mailto:BERRY.CHUCK@EPA.GOV)

POC/FOSC Phone: (404)562-8278

POC/FOSC FAX: No Data Entered

Requesting Unit: EPA Region 4

Requestor Name: DEREK HARDY

Requestor Phone: (202)795-6075

Requestor Email Address(es): [BERRY.CHUCK@EPA.GOV](mailto:BERRY.CHUCK@EPA.GOV), [HARPER.GRECI@EPA.GOV](mailto:HARPER.GRECI@EPA.GOV)

CGMS Reference:

Case Officer Name: Mr. Miguel Bella

Case Officer Phone: (703)872-6069

Case Officer Cell Phone: (202)360-6061

Case Officer FAX: No Data Entered

Case Officer Email: [Miguel.L.Bella@uscg.mil](mailto:Miguel.L.Bella@uscg.mil)

**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**Cc:** Joyce\_St Stanley@ios.doi.gov[Joyce\_St Stanley@ios.doi.gov];  
GSpringer@adem.state.al.us[GSpringer@adem.state.al.us]  
**From:** Webster, James  
**Sent:** Thur 9/15/2016 10:54:08 PM  
**Subject:** Re: 40 CFR 300.910 (d) Notification

Thanks Chuck

Sent from my iPhone

On Sep 15, 2016, at 6:53 PM, Berry, Chuck <Berry.Chuck@epa.gov> wrote:

All:

EPA OSC Chuck Berry as part of the Unified Command is authorizing the use of a multi-purpose fire-fighting vapor suppressor / surface washing agent to suppress explosive vapors at the Pelham Pipeline Spill. The product F-500 Multipurpose Encapsulator Agent will be applied to soil saturated with gasoline in order to reduce vapors to below-explosive levels. It is not being applied directly to water, but there is a slight risk of runoff entering a pond. This pond currently holds an estimated 100,000 gallons of gasoline. The OSC determined the risk to the environment is far outweighed by the decreased risk of fire or explosion at the work site.

Chuck Berry

On-Scene Coordinator

US Environmental Protection Agency

61 Forsyth Street, 11th Floor

Atlanta, GA 30303

404.562.8278 (Office)

404.859.0970 (Cell)

[berry.chuck@epa.gov](mailto:berry.chuck@epa.gov)



**To:** Harper, Greg[Harper.Greg@epa.gov]; Moore, Tony[moore.tony@epa.gov]; Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Webster, James  
**Sent:** Thur 9/15/2016 1:27:20 PM  
**Subject:** RE: SITREP #5 - Pelham Pipeline Spill

DHS has asked if there is an estimate as to when pipeline will be repaired and back in service. Seems this is impacting fuel supplies in GA and other states.

jw

**From:** Harper, Greg  
**Sent:** Thursday, September 15, 2016 8:48 AM  
**To:** william.deas@HQ.DHS.GOV; michael.k.sams@uscg.mil  
**Cc:** Webster, James <Webster.James@epa.gov>; Moore, Tony <moore.tony@epa.gov>; Andrew, Gary <Andrew.Gary@epa.gov>  
**Subject:** FW: SITREP #5 - Pelham Pipeline Spill

Mr. Deas and Mr. Sams,

It has been requested to send you all the past SITREPs for the Pelham Pipeline Spill and include you in all the future SITREPs. If you have any questions please let me know.

Thank you,

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response Removal and Preparedness Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**From:** Harper, Greg

**Sent:** Wednesday, September 14, 2016 8:51 PM

**Cc:** Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)>

**Subject:** SITREP #5 - Pelham Pipeline Spill



## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #5**

1800 CDT, September 14, 2016

#### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to

Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons – See “Current Operations” for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

## **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Garrard and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center (JIC).

OSC Garrard was mobilized to the site to overlap with OSC Williamson today, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader. OSC Williamson demobilized during this operational period.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

Both stopples are in place. Colonial is actively vacuuming out product and pressuring the line with nitrogen to increase recovery. The pressurization of the line increase the rate of discharge at the break. LEL levels at the break are too high to recover product at the break before it discharges to the stream and then into the pond.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 989 parts per million (ppm). The highest benzene level recorded was 17.5 ppm. LEL levels were reported to be in the 41% range.

Colonial has managed to remove approximately 178,217 gallons of liquid from Pond 2. Of that volume 48,125 gallons of fuel has been recovered and 130,092 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 144,035 gallons of fuel evaporated as of 9/13/16. These numbers are approximate and Colonial will perform a final mass balance after all product is recovered.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. No adverse weather impacts are expected from the tropical system off the coast of Georgia.

EPA/GST remains incorporated into Operations and air monitoring. OSC Garrard and two GST members continue to provide oversight of site safety and monitor the operations progress. Two GST members continue to observe night operations.

James Pickney arrived at Incident Command Center and integrated into JIC. The JIC set up two interviews with all members of UC, including OSC Berry. The Birmingham, AL news outlets were WBRC and AL.com. Additionally, Colonial visited 15 homes nearest to the spill site, they were able to discuss the situation with 9 households as well as handout fact sheets.

The fire chief deemed the transfer of product from the pipeline to frac tanks was to high risk, therefore operations changed to direct tanker to tanker trucks. Scrubbers were used on the vacuum trucks while the vacuum trucks pumped product from the pipeline to the transport tanker trucks to reduce the gasoline vapors. The tanker trucks are making a round trip to Colonial's Pelham Junction facility to off-load.

OSC Garrard called the Federal Aviation Administration to request an aviation floor restriction of 2,500 feet in a 3-mile radius around the work site.

UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. 9 sampling locations have been established, two water sample collected from Pond 3 had benzene detected at 90 mg/L and 98 mg/L the other 7 were below detection limits.

### PLANNED RESPONSE ACTIVITIES

Due to the ongoing response efforts and unknown timelines, the EPA OSC will make a request to the National Pollution Fund Center (NPFC) to increase the site ceiling from \$45,000 to \$100,000.

Because UC learned during today's UC meeting, Colonial contractor began collecting water sampling on Saturday when the sample results were presented during the UC briefing. EPA OSC has requested two START contractors and an Environmental Unit Leader to monitor Colonial Pipeline's sampling efforts.

- ☐ ☐ ☐ ☐ ☐ Continue to participate in UC
- ☐ ☐ ☐ ☐ ☐ Monitor removal activities

- Monitor safety air monitoring
- Participate in the Joint Information Center
- Prepare for and coordinate a transition to a removal phase
- Preform water sampling

**To:** Tripp, Christopher[tripp.christopher@epa.gov]  
**Cc:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Harper, Greg  
**Sent:** Wed 9/14/2016 11:11:55 PM  
**Subject:** RE: Delivery time for SitReps

thanks

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**From:** Tripp, Christopher  
**Sent:** Wednesday, September 14, 2016 7:11 PM  
**To:** Harper, Greg <Harper.Greg@epa.gov>  
**Cc:** Berry, Chuck <Berry.Chuck@epa.gov>  
**Subject:** RE: Delivery time for SitReps

Greg,

Please find attached the SITREP for Pelham Pipeline Spill.

Thanks,

Chris

**From:** Harper, Greg  
**Sent:** Wednesday, September 14, 2016 6:22 PM  
**To:** Moore, Tony <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)>  
**Cc:** Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>; Tripp, Christopher <[tripp.christopher@epa.gov](mailto:tripp.christopher@epa.gov)>  
**Subject:** Re: Delivery time for SitReps

Message from Chuck:

Situation report will be delayed one hour due to the UC meeting being delayed one hour due to my TV interview.

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

Sent from my iPhone

On Sep 14, 2016, at 6:11 PM, Moore, Tony <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)> wrote:

Sent from my iPhone

Begin forwarded message:

**From:** <[moore.tony@epa.gov](mailto:moore.tony@epa.gov)>

**Date:** September 14, 2016 at 6:10:00 PM EDT

**To:** Franklin Hill <[hill.franklin@epa.gov](mailto:hill.franklin@epa.gov)>, <[Chaffins.Randall@epa.gov](mailto:Chaffins.Randall@epa.gov)>, "James Webster" <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>

**Subject:** Delivery time for SitReps

To accommodate site meetings at Pelham Gas, the OSC has asked to move the time back to a 1900 delivery time for pending and future SitReps

Sent from my iPhone



**To:** Tripp, Christopher[tripp.christopher@epa.gov]  
**Cc:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Harper, Greg  
**Sent:** Wed 9/14/2016 7:25:45 PM  
**Subject:** FW: Pelham\_Pipeline\_Spill\_SITREP\_4\_09132016.docx  
Pelham Pipeline Spill SITREP 4\_09132016.docx

Chris,

Here is sitrep 4 start with this for today's.

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response Removal and Preparedness Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**From:** Harper, Greg  
**Sent:** Tuesday, September 13, 2016 8:05 PM  
**To:** 'Chuck Berry' <Berry.Chuck@epa.gov>  
**Cc:** Moore, Tony <moore.tony@epa.gov>  
**Subject:** FW: Pelham\_Pipeline\_Spill\_SITREP\_4\_09132016.docx

We will use this version going forward.

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**From:** Moore, Tony

**Sent:** Tuesday, September 13, 2016 7:51 PM

**To:** Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)>

**Subject:** Pelham\_Pipeline\_Spill\_SITREP\_4\_09132016.docx

Use this version, if corrected stuff I corrected yesterday

Thanks



## **NRC 1158584, Pelham Pipeline Spill Pelham, Shelby County, Alabama SITUATION REPORT #4**

1800 CDT, September 13, 2016

### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond that feeds into Peel Creek (which is a tributary of the Cahaba River). The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1,000 and 2,000 gallons of gasoline entered the pond (the spill volume has been updated to 235,000 gallons)– See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry remains integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Williamson, and four US Coast Guard Gulf Strike Team members remain deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

OSC Garrard was mobilized to the site to overlap with OSC Williamson tomorrow, he will assume responsibilities for Operations. OSC Tripp mobilized to the site to serve as the EPA Situation Unit Leader.

Current number of EPA Personnel Assigned: 4

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 CDT daily.

### **CURRENT OPERATIONS**

The pipeline continues to drain into Pond 2 at a rate of approximately 3 gallons per minute. Colonial has installed both stopples, one currently set and the other is tapping through the pipeline emplacing the plug. The fuel will be vacuumed from the line and into trucks for shipment to the Colonial Pelham terminal.

The high level of explosive vapors continue to be the greatest limiting factor to recovery operations. Colonial contractor CTEH remains on site providing air monitoring services. They continue monitoring the AreaRAE network and providing roving air monitoring and escort services for personnel working inside the hot zone. Action levels for benzene, VOCs and explosive vapors remain as previously established. Work interruptions continue due to excess benzene and LEL readings. Today's highest VOC level peaked at 489 parts per million (ppm). The highest benzene level recorded was 4.8 ppm. LEL levels remain in the 100% range.

Colonial continues to increase its footprint at the site, building new roads to ease traffic congestion and allow for larger vehicles to access closer locations. A vapor recovery scrubber has been mobilized to the site to aid with vapor emissions. A decontamination pad for trucks has been constructed to decontaminate fuel-contaminated equipment.

Colonial has managed to remove approximately 107,304 gallons of liquid from Pond 2. Of that volume 18,928 gallons of fuel has been recovered and 88,376 gallons of mixed oil/water remain.

Colonial has performed an initial mass balance calculation and determined an estimated volume of 235,919 gallons of fuel was discharged. They are estimating 115,700 gallons of fuel evaporated. 101,291 gallons of fuel is estimated to remain in the pond. These numbers are approximate and will likely change significantly over time.

The diversions designed for Pond 3 are in place. They include a substantial underflow dam at the pond outfall. Colonial continues to monitor the Pond 3. No oil sheening has been seen along the shoreline. The UC will be notified if any petroleum is noted. Significant rainfall may be received on site depending on the actions of a new tropical storm system forming in the Gulf of Mexico.

EPA/GST remains incorporated into Operations and air monitoring. OSC Williamson and two GST members continue on site safety and progress monitoring. Two GST members continue to observe night operations. OSC Williamson briefly met with the Vice President of Colonial during a VIP visit to the work site.

### **PLANNED RESPONSE ACTIVITIES**

- Continue to participate in UC
- Monitor removal activities
- Monitor safety air monitoring
- Prepare for and coordinate a transition to a removal phase.

**To:** Harper, Greg[Harper.Greg@epa.gov]; Corey CB. Brown[cbrown@bashaservices.com]  
**Cc:** Garrard, Jordan[Garrard.Jordan@epa.gov]; Berry, Chuck[Berry.Chuck@epa.gov]; Moore, Tony[moore.tony@epa.gov]  
**From:** Johnson, Dora Ann  
**Sent:** Wed 9/14/2016 4:56:35 PM  
**Subject:** RE: Delivery of Mule 6 passanger (2 Bench)

Please assist Greg and Jordan in this request. Let me know if OT or lodging is required also due to the timing of the request.

Thank you,

## **Dora Ann Johnson**

Team Lead / Project Officer

US EPA, Region IV

SD/RSIB/RMS

Phone: 404-562-8737

Cell: 404-754-6339

Email: [Johnson.dora@epa.gov](mailto:Johnson.dora@epa.gov)

**From:** Harper, Greg  
**Sent:** Wednesday, September 14, 2016 12:09 PM  
**To:** Corey CB. Brown <cbrown@bashaservices.com>  
**Cc:** Johnson, Dora Ann <Johnson.Dora@epa.gov>; Garrard, Jordan <Garrard.Jordan@epa.gov>; Berry, Chuck <Berry.Chuck@epa.gov>  
**Subject:** Delivery of Mule 6 passanger (2 Bench)

Corey,

Pelham Pipeline Spill has requested the delivery of the 6 passenger (2 Bench) Mule. It needs to be delivered today. Please coordinate the delivery with Jordan Garrad (678) 644-8648. Jordan will provide the delivery location.

The site is Pelham Pipeline Spill, Pelham, AL site ID V4CO

Thank you,

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response Removal and Preparedness Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**To:** Harper, Greg[Harper.Greg@epa.gov]  
**Cc:** Johnson, Dora Ann[Johnson.Dora@epa.gov]; Garrard, Jordan[Garrard.Jordan@epa.gov];  
Berry, Chuck[Berry.Chuck@epa.gov]; 'Neville Anderson'[nanderson@bashaservices.com]  
**From:** Corey L. Brown  
**Sent:** Wed 9/14/2016 4:32:44 PM  
**Subject:** RE: Delivery of Mule 6 passenger (2 Bench)  
removed.txt

Greg,

Mark is mobilizing now with the UTV (2 bench) on a trailer and he has an extra gas can for it.

His ETA is 2:30pm CST.

Please feel free to contact me should you have any questions.

Corey L. Brown

Project Manager

**Basha Services, LLC**

**Certified 8(a) Contractor**

2336 Wisteria Drive, Suite 510

Snellville, GA 30078

**Direct Office Line: 678-981-8776**

Office: 678-344-1161

Fax: 678-344-1163

Exemption 6 Personal Privacy

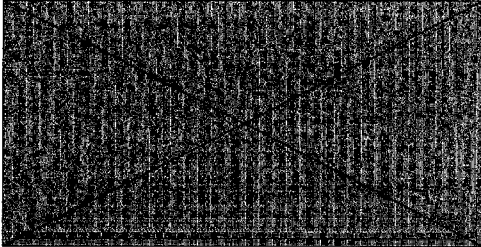
Mobile:

Basha 24-Hour Hotline: 855-68-Basha (855-682-2742)

e-mail: [cbrown@bashaservices.com](mailto:cbrown@bashaservices.com)

Website: <http://bashaservices.com>

Twitter: <http://twitter.com/#!/Bashaservices>



**From:** Harper, Greg [mailto:Harper.Greg@epa.gov]  
**Sent:** Wednesday, September 14, 2016 12:09 PM  
**To:** Corey CB. Brown <[cbrown@bashaservices.com](mailto:cbrown@bashaservices.com)>  
**Cc:** Johnson, Dora Ann <[Johnson.Dora@epa.gov](mailto:Johnson.Dora@epa.gov)>; Garrard, Jordan  
<[Garrard.Jordan@epa.gov](mailto:Garrard.Jordan@epa.gov)>; Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>  
**Subject:** Delivery of Mule 6 passanger (2 Bench)

Corey,

Pelham Pipeline Spill has requested the delivery of the 6 passenger (2 Bench) Mule. It needs to be delivered today. Please coordinate the delivery with Jordan Garrad (678) 644-8648. Jordan will provide the delivery location.

The site is Pelham Pipeline Spill, Pelham, AL site ID V4CO

Thank you,

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response Removal and Preparedness Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)



**To:** Corey CB. Brown[cbrown@bashaservices.com]  
**Cc:** Johnson, Dora Ann[Johnson.Dora@epa.gov]; Garrard, Jordan[Garrard.Jordan@epa.gov];  
Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Harper, Greg  
**Sent:** Wed 9/14/2016 4:09:24 PM  
**Subject:** Delivery of Mule 6 passanger (2 Bench)

Corey,

Pelham Pipeline Spill has requested the delivery of the 6 passenger (2 Bench) Mule. It needs to be delivered today. Please coordinate the delivery with Jordan Garrard (678) 644-8648. Jordan will provide the delivery location.

The site is Pelham Pipeline Spill, Pelham, AL site ID V4CO

Thank you,

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response Removal and Preparedness Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)



**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Dooley, Scott  
**Sent:** Wed 9/14/2016 10:43:49 AM  
**Subject:** Re: Friday concert

Chuck,

Yes sir, We were aware of the concert and have finalized a parking and traffic plan. I will provide a briefing in our 0800 meeting this morning. Thanks.

Sent from my iPhone

Regards,  
Scott Dooley  
Contracts Manager  
Colonial Pipeline Company  
O - 678-762-2438  
F - 770-754-8290  
C -

**Exemption 6 Personal Privacy**

> On Sep 13, 2016, at 11:09 PM, Berry, Chuck <Berry.Chuck@epa.gov> wrote:

>

> There is a Zac Brown Band concert at the Oak Mountain Amphitheater Friday night, right next door to the civic center. This will cause parking and traffic issues for the IMT. Is there a plan to deal with this?

>

> Chuck Berry

> EPA OSC

> 404.859.0970



**To:** Harper, Greg[Harper.Greg@epa.gov]  
**Cc:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Moore, Tony  
**Sent:** Wed 9/14/2016 12:08:15 AM  
**Subject:** Re: Pelham\_Pipeline\_Spill\_SITREP\_4\_09132016.docx

I've started removing done items to keep it current. Compare the documents

Sent from my iPhone

On Sep 13, 2016, at 8:04 PM, Harper, Greg <Harper.Greg@epa.gov> wrote:

We will use this version going forward.

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

[harper.greg@epa.gov](mailto:harper.greg@epa.gov)

**From:** Moore, Tony  
**Sent:** Tuesday, September 13, 2016 7:51 PM  
**To:** Harper, Greg <Harper.Greg@epa.gov>  
**Subject:** Pelham\_Pipeline\_Spill\_SITREP\_4\_09132016.docx

Use this version, if corrected stuff I corrected yesterday

**Thanks**

<Pelham\_Pipeline\_Spill\_SITREP\_4\_09132016.docx>

**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Walton, Kim  
**Sent:** Tue 9/13/2016 1:02:44 PM  
**Subject:** RE: OPA Accounting String for People Plus

Done

Kim Walton

Financial Specialist

Lead PPL Coordinator

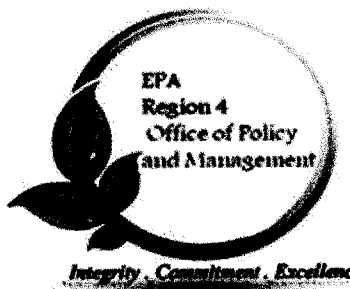
Region 4

61 Forsyth Street, SW

Atlanta, GA 30303

Walton.kim@epa.gov

(404) 562-8221



**From:** Berry, Chuck  
**Sent:** Tuesday, September 13, 2016 8:38 AM  
**To:** Walton, Kim <Walton.Kim@epa.gov>  
**Subject:** Re: OPA Accounting String for People Plus

add Jordan Garrard. He's mobilizing this morning.

Chuck Berry

On-Scene Coordinator

US Environmental Protection Agency

61 Forsyth Street, 11th Floor

Atlanta, GA 30303

404.562.8278 (Office)

404.859.0970 (Cell)

[berry.chuck@epa.gov](mailto:berry.chuck@epa.gov)

---

**From:** Walton, Kim

**Sent:** Tuesday, September 13, 2016 08:34

**To:** Bates, Lloyd

**Cc:** Williamson, Carter; Englert, Brian; Berry, Chuck

**Subject:** RE: OPA Accounting String for People Plus

Processed 9/13/16

Kim Walton

Financial Specialist

Lead PPL Coordinator

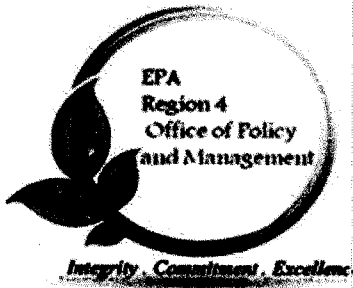
Region 4

61 Forsyth Street, SW

Atlanta, GA 30303

[Walton.kim@epa.gov](mailto:Walton.kim@epa.gov)

(404) 562-8221



**From:** Bates, Lloyd  
**Sent:** Monday, September 12, 2016 8:38 AM  
**To:** Walton, Kim <[Walton.Kim@epa.gov](mailto:Walton.Kim@epa.gov)>  
**Cc:** Williamson, Carter <[Williamson.Carter@epa.gov](mailto:Williamson.Carter@epa.gov)>; Englert, Brian <[Englert.Brian@epa.gov](mailto:Englert.Brian@epa.gov)>; Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>  
**Subject:** OPA Accounting String for People Plus

**Kim:** Please enter the following OPA Account string in People Plus for the following employees:

Cater Williamson

Brian Englert

Chuck Berry

2016 HR 04RAXHR 303D91 V4CO (letter O)

**From:** Dave Harmon [<mailto:Harmon.Dave@epamail.epa.gov>] **On Behalf Of** CINWD OilSpill  
**Sent:** Monday, September 12, 2016 8:32 AM  
**To:** Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)>  
**Cc:** Webster, James <[Webster.James@epa.gov](mailto:Webster.James@epa.gov)>; Bates, Lloyd <[Bates.Lloyd@epa.gov](mailto:Bates.Lloyd@epa.gov)>; Masterson, Chris <[Masterson.Christopher@epa.gov](mailto:Masterson.Christopher@epa.gov)>; R4DutyOSC <[R4DutyOSC@epa.gov](mailto:R4DutyOSC@epa.gov)>; Walker, Darryl <[walker.darryl@epa.gov](mailto:walker.darryl@epa.gov)>  
**Subject:** Fw: CANAPS Message

The subject FPN site, E16444- PELHAM PIPELINE SPILL, accounting line has been set up as the following:

BFY 2016  
Appr: HR  
Orgn: 04RAXHR  
PRC: 303D91  
Site: V4CO Letter O

FPN Ceiling: \$10,000.00  
Direct Amt: \$8,503.00  
Indirect Amt: \$1,497.00

Thank you,

Dave Harmon  
U.S. Environmental Protection Agency  
Cincinnati Finance Center  
work: 513-487-2735  
[harmon.dave@epa.gov](mailto:harmon.dave@epa.gov)

P 091902Z SEP 16  
FM COMCOGARD NPFC WASHINGTON DC//CANAPS//  
TO RHMCSUU/HQ EPA WASHINGTON DC//EOC/CINWD OILSPILL/REGION FOUR//  
INFO COGARD NATIONAL RESPONSE CENTER WASHINGTON DC  
CCGDEIGHT NEW ORLEANS LA//DR/DRM//  
CCGDFIVE PORTSMOUTH VA//DR/DRM//  
CCGDSEVEN MIAMI FL//DR/DRM//  
COGARD GST MOBILE AL  
COGARD SILC NORFOLK VA//PCB-1//  
COMDT COGARD WASHINGTON DC//CG-533//  
RHMCSUU/HQ EPA WASHINGTON DC//EOC/CINWD OILSPILL/REGION FOUR//  
BT  
UNCLAS //N16465//  
SUBJ: FPN NOTIFICATION PELHAM PIPELINE SPILL - E16444.

1. FPN ISSUED FOR THIS RESPONSE IS E16444.
2. AUTHORIZED CEILING: \$10,000.00.
3. PROJECT DATES:
  - A. INCIDENT DATE: 09 SEP 2016.
  - B. FOSC ACTION COMMENCE DATE: 09 SEP 2016.
  - C. DATE PROJECT CREATED: 09 SEP 2016.
4. INCIDENT LOCATION: PELHAM , AL.
5. BODY OF WATER: PEEL CREEK.
6. SUSPECTED SOURCE: FACILITY.
7. ESTIMATED QUANTITY OF OIL DISCHARGED: N/A.
8. FOSC DETERMINATION OF SUBSTANTIAL THREAT: Y.
9. DESCRIPTION OF SUBSTANTIAL THREAT: GASOLINE FROM A PIPELINE CREATED A

SHEEN ON PEEL C  
REEK..

10. EST POTENTIAL QUANTITY THAT COULD BE DISCHARGED: N/A.

11. PROJECT LONG NAME: .

12. INCIDENT DESCRIPTION: .

13. NPFC POINT OF CONTACT:

A. NAME: MR. MIGUEL BELLA.

B. PHONE: (703)872-6069.

C. CELL PHONE: (202)360-6061.

D. FAX: N/A.

14. EPA FOSC POINT OF CONTACT:

A. NAME: CHARLES BERRY.

B. PHONE: (404)562-8278.

C. FAX: N/A.

D. EMAIL: N/A.

15. FOR CG UNITS SUPPORTING THE EPA FOSC:

A. CAS ACCOUNTING STRING: 2/V/SZ/172/95/0/E16444/74100/XXXX,

WHERE XXXX IS OBJECT CLASS.

B. DOCUMENT CONTROL NUMBER: DD/16/46/6/V/XZ/YYY.

WHERE DD IS THE DOCUMENT TYPE AND YYY IS THE UNIT SEQUENCE NUMBER.

16. FOLLOW NPFC TOPS FOR FUND MANAGEMENT, CEILING MANAGEMENT, AND  
RESOURCE DOCUMENTATION.

17. POLREPS

A. ON ALL POLREPS FOR THIS CASE, FOSC MUST SEND COPY TO NPFC POC

NOTED ABOVE AND ARL-PF-NPFCEPAPOLREPS@USCG.MIL.

B. INCLUDE AUTHORIZED CEILING AND DAILY COST DATA IN POLREPS.

18. FORWARD PRFAS, THEIR CERTIFIED INVOICES, AND SUPPORTING COST  
DOCUMENTATION TO THE NPFC POC NOTED ABOVE.

19. THIS MESSAGE WAS AUTOMATICALLY GENERATED BY THE CANAPS SYSTEM.

20. CIMS\_EMAIL FPN: E16444 TYPE: CEILING AUTHORIZATION

21. CANAPS ID 091902Z SEP 16

BT

NNNN



**To:** Harper, Greg[Harper.Greg@epa.gov]  
**Cc:** Berry, Chuck[Berry.Chuck@epa.gov]  
**From:** Eichinger, Kevin  
**Sent:** Tue 9/13/2016 1:23:44 AM  
**Subject:** Re: SITREP #3 - Pelham Pipeline Release

Just saying, if I was still the SITL, there would have been no inconsistencies.

---

**Kevin Eichinger, CHMM - On-Scene Coordinator and Industrial Hygienist**

**U.S. Environmental Protection Agency, Region 4** | 61 Forsyth St SW | Atlanta, Georgia | 30303

**Emergency Response, Removal and Prevention Branch (ERRB)**

office: 404-562-8268 | cell: 678-897-3759 | epaosc.org

On Sep 12, 2016, at 20:21, Harper, Greg <Harper.Greg@epa.gov> wrote:

Kevin and Chuck it was consistent with the titles on the email and sitrep #2 ;)

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

61 Forsyth Street. S.W.

Atlanta, Georgia 30303

Office (404) 562-8322

harper.greg@epa.gov

**From:** Berry, Chuck

**Sent:** Monday, September 12, 2016 9:19 PM

**To:** Eichinger, Kevin <[Eichinger.Kevin@epa.gov](mailto:Eichinger.Kevin@epa.gov)>; Harper, Greg <[Harper.Greg@epa.gov](mailto:Harper.Greg@epa.gov)>  
**Subject:** Re: SITREP #3 - Pelham Pipeline Release

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404.859.0970

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<image002.jpg>

## **NRC 1158584, Pelham Pipeline Spill**

### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #3**

1800, September 12, 2016

#### **INCIDENT DESCRIPTION**

On September 9, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond (Pond 2 on the attached Figure) that feeds into Peel Creek, a tributary of the Cahaba River. The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1000 and 2000 gallons of gasoline entered the pond (the spill volume has been updated to 100,000 gallons in the pond – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located two miles from the spill location.

Colonial Pipeline has confirmed that the affected transmission line has been

shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline. Weather reports indicate that there is an increased risk of rain for Sunday and Monday, September 11<sup>th</sup> and 12<sup>th</sup>.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry was deployed to the Incident Command Post and has integrated into Unified Command. The Unified Command structure includes the EPA, Colonial, ADEM, and Shelby County EMA. OSC Williamson, and four US Coast Guard Gulf Strike Team members have been deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

Due to limited overnights operations, OSC Englert demobilized today.

Current number of EPA Personnel Assigned: 2

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 EDT daily.

### **CURRENT OPERATIONS**

Although the pipeline pumps are shut off, the pipeline continues to drain into Pond 2. The flow rate has decreased over the last day, but visually appears to be approximately three gallons per minute. Colonial has installed one of the stopples and is currently installing the second. Once the stopples are installed, the fuel will be vacuumed from the line and into trucks for shipment to the Colonial Pelham terminal. Evacuation of the pipeline will be followed by a nitrogen purge to remove all fuel from the line.

The high level of explosive vapors is the greatest limiting factor to recovery operations. Colonial contractor CTEH is on site providing air monitoring services. They have set up an AreaRAE network and are providing roving and escort services for response personnel working inside the hot zone. All personnel entering the hot zone are required to have flame resistant clothing and an air monitoring escort. Action levels for benzene, VOCs and explosive vapors have been established. The work is frequently stopped due to excessive benzene and LEL readings thus slowing recovery operations. Today's highest VOC level is roughly half of yesterdays, peaking at 1,564 ppm. The highest LEL levels also dropped to 95%. Benzene levels peaked at only 8ppm thus allowing for more recovery work today.

Colonial has managed to remove approximately 40,000 gallons of liquid from Pond 2. Of that volume 5,500 gallons of oil have been separated and 34,500 gallons of mixed oil/water remain. Colonial established a new pumping area on the north end of the pond where vapor levels were lower. Vacuum trucks continue to pump from this location. Colonial is currently planning on placing "frac" tanks in a new location to the north to cut down on transit circuit time for those trucks needing to off-load and return.

The diversions designed for Pond 3 are in place, which include a substantial underflow dam at the pond's outfall. No oil sheening is visible along the shoreline at Pond 3. Colonial continues to monitor the pond and will notify UC if any petroleum is noted.

EPA/GST is incorporated into Operations and air monitoring. OSC Englert and two GST members observed site operations overnight. Colonial has increased its Safety Personnel and air monitoring staffing levels based on input from EPA field personnel. OSC Williamson and two GST members spent the day on site monitoring safety and response progress. EPA/GST assisted Colonial with planning and installation of the Pond 3 augmentation and will continue to coordinate in those efforts. Two GST members will man the overnight shift as FOSCRs.

OSC Berry has reviewed several plans developed by the Planning Section, including an Impacted Wildlife Management and Waste Management plan. There were several revisions needed in the Waste Management Plan. Approval is expected tomorrow.

#### **PLANNED RESPONSE ACTIVITIES**

- Continue to participate in UC
- Monitor removal activities
- Monitor safety air monitoring
- Prepare for and coordinate a transition to a removal phase

Gregory L. Harper

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**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
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**Sent:** Tue 9/13/2016 1:21:55 AM  
**Subject:** Re: SITREP #3 - Pelham Pipeline Release

Your site, call it Discharge. For that matter, call it Chuck's Leaky Pipe. Just make sure we update Cincinnati and the Fund Center.

---

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### **Pelham, Shelby County, Alabama**

#### **SITUATION REPORT #3**

1800, September 12, 2016

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<Pelham\_Pipeline\_Spill\_SITREP\_3\_09122016.pdf>

**To:** Berry, Chuck[Berry.Chuck@epa.gov]; Moore, Tony[moore.tony@epa.gov]  
**From:** Harper, Greg  
**Sent:** Mon 9/12/2016 11:38:27 PM  
**Subject:** RE: sitrep  
Pelham Pipeline Spill SITREP 3 09122016.docx

Tony,

Will you sent back for me to send out?

I have made a few minor corrections. Attached is the version with my edits.

Greg

Gregory L. Harper

EPA On-Scene Coordinator

U.S. Environmental Protection Agency, Region 4

Emergency Response and Removal Branch, 11th Floor

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**From:** Berry, Chuck

**Sent:** Monday, September 12, 2016 7:16 PM

**To:** Moore, Tony <moore.tony@epa.gov>; Harper, Greg <Harper.Greg@epa.gov>

**Subject:** sitrep

Greg - Please edit for higher-ups.

Tony - Here's a sneak peek in case someone is asking about it.

**Chuck Berry**

On-Scene Coordinator

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## **NRC 1158584, Pelham Pipeline Spill Pelham, Shelby County, Alabama SITUATION REPORT #3**

1800, September 12, 2016

### **INCIDENT DESCRIPTION**

On September 9, 2016, at 1449 hours, Colonial Pipeline reported a gasoline spill from a 36" subsurface transmission line to the National Response Center. The gasoline traveled overland for approximately 500 feet to a pond (Pond 2 on the attached Figure) that feeds into Peel Creek which is a tributary of the Cahaba River. The initial report to Colonial was made by the property owner, but there was no volume estimate. The exact amount of the release was unknown; however, Colonial Pipeline initially reported to the responding OSC that between 1000 and 2000 gallons of gasoline entered the pond (the spill volume has been updated to 100,000 gallons in the pond – See "Current Operations" for more information).

The local fire department responded and established a secured zone around the spill site. Dangerous explosive gas levels have been detected around the spill location. Shelby County Emergency Management responded and confirmed that there are no public or private drinking water sources threatened by the spill. Alabama Department of Environmental Management (ADEM) has integrated into Unified Command and is coordinating with State and County Agencies. An Incident Command Post was established in Hoover, Alabama. The spill location is in a remote area, and no evacuations are necessary. The nearest residential neighborhood is located 2 miles from the spill location.

Colonial Pipeline has confirmed that the impacted transmission line is shut down. Environmental contractors for Colonial Pipeline are on site to conduct air monitoring and remediation activities. Work to remediate the spill is delayed due to the high concentrations of volatile organic compounds (VOC) emitted for the large areas of pooled gasoline. There is an increased risk of rain for Sunday and Monday September 11<sup>th</sup> and 12<sup>th</sup>.

Threatened and endangered (T&E) species in the area of the spill have been identified and communicated to Unified Command. No T&E species have been reported impacted from the spill, although several common species have been impacted.

At this time, a Regional Response Team 4 (RRT4) activation is not planned. The appropriate members were engaged during the initial response notification process. A RRT4 call will be held if conditions change.

### **INCIDENT MANAGEMENT**

On-Scene Coordinator (OSC) Chuck Berry was deploy to the Incident Command Post and has integrated into Unified Command, which includes EPA, Colonial, ADEM, and Shelby County. OSC Williamson, and 4 US Coast Guard Gulf Strike Team members have been deployed to assist within field observations. A Public Information Officer (PIO) was requested and will assist in the Joint Information Center.

OSC Englert demobilized today.

Current number of EPA Personnel Assigned: 2

Current number of United States Coast Guard Gulf Strike Team (USCG GST) Members: 4

### **REPORTING SCHEDULE**

Situation Reports (SITREPS) will be delivered 1800 EDT daily.

### **CURRENT OPERATIONS**

While the pipeline pumps are shut off, the pipeline continues to drain into Pond 2. The flow rate has lessened over the last day, but visually appears to be approximately 3 gallons per minute. Colonial has installed 1 of the stopples and is currently installing the second. Once installed, the fuel will be vacuumed from the line and into trucks for shipment to the Colonial Pelham terminal. Evacuation of the line will be followed by nitrogen purging to remove all fuel from the line.

The high level of explosive vapors is the greatest limiting factor to recovery operations. Colonial contractor CTEH is on site providing air monitoring services. They have set up an AreaRAE network and are also providing roving and escort services for personnel working inside the hot zone. All personnel entering the hot zone are required to have flame resistant clothing and an air monitoring escort. Action levels for benzene, VOCs and explosive vapors have been set. Work is frequently stopped due to excess benzene and LEL readings, slowing recovery. Today's highest VOC level is roughly half of yesterday's, peaking at 1,564 ppm. The highest LEL levels also dropped to 95%. Benzene peaked at only 8ppm, allowing for more work today than yesterday.

Colonial has managed to remove approximately 40,000 gallons of liquid from Pond 2. Of that volume 5,500 gallons of oil have been separated and 34,500 gallons of mixed oil/water remain. Colonial opened up a new pumping area on the north end of the pond where vapor levels were lower. Vacuum trucks continue to pump from this location. Colonial is currently planning on placing frac tanks in a new location to the north to cut down on transit time for those trucks to off-load and return.

The diversions designed for Pond 3 are in place, which include a substantial underflow dam at the pond outfall. However, no oil sheening is visible along the shoreline with Pond 3. Colonial continues to monitor the pond and will notify UC if any petroleum is noted.

EPA/GST is incorporated into Operations and air monitoring. OSC Englert and 2 GST members observed operations overnight. Colonial increased its Safety Personnel and air monitoring staffing based on comments from EPA field personnel. OSC Williamson and 2 GST members spent today on site monitoring safety and progress. EPA/GST assisted Colonial with planning and installation of the Pond 3 augmentation and will continue to coordinate those efforts. Two GST members will man the overnight shift as FOSCRs.

OSC Berry reviewed several plans developed by the Planning Section, including Impacted Wildlife Management and Waste Management. There were several revisions needed in the Waste Management Plan. Approval is expected tomorrow.

### **PLANNED RESPONSE ACTIVITIES**

- Continue to participate in UC
- Monitor removal activities
- Monitor safety air monitoring
- Prepare for and coordinate a transition to a removal phase

**To:** Berry, Chuck[Berry.Chuck@epa.gov]  
**Cc:** Harper, Greg[Harper.Greg@epa.gov]  
**From:** Moore, Tony  
**Sent:** Mon 9/12/2016 11:29:59 PM  
**Subject:** Re: sitrep

Do we need to adjust the time based on either you being in the central time zone or more importantly your side meetings

Sent from my iPhone

On Sep 12, 2016, at 7:16 PM, Berry, Chuck <[Berry.Chuck@epa.gov](mailto:Berry.Chuck@epa.gov)> wrote:

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Chuck Berry

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